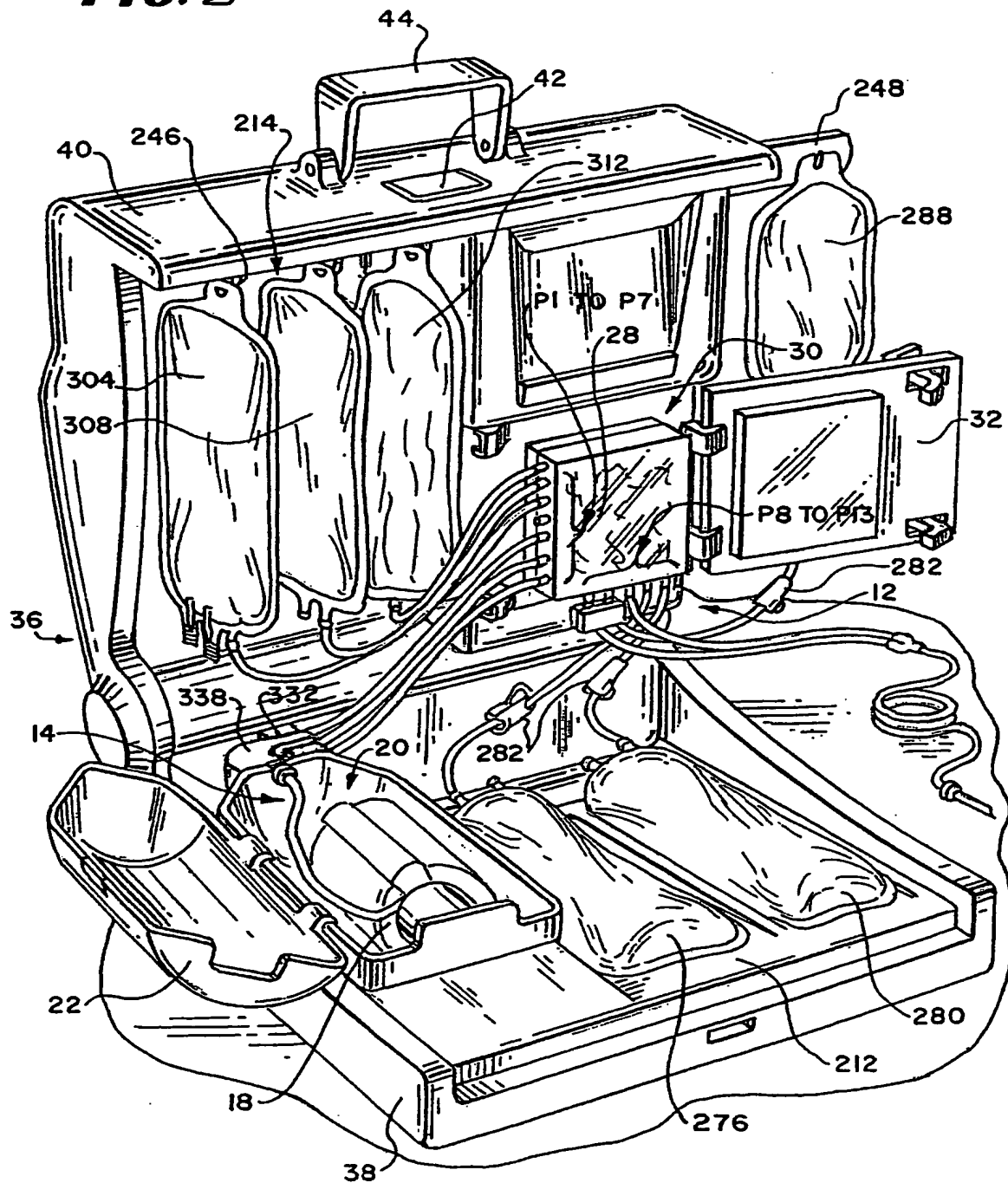


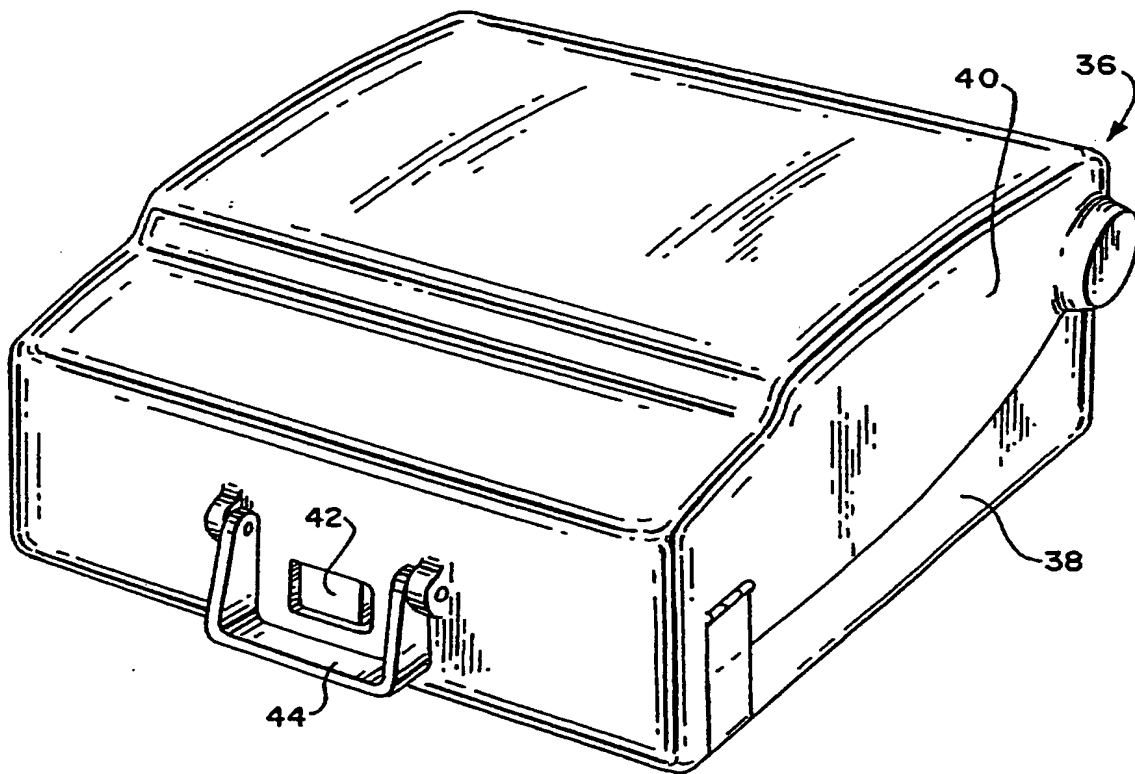
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FIG. 2



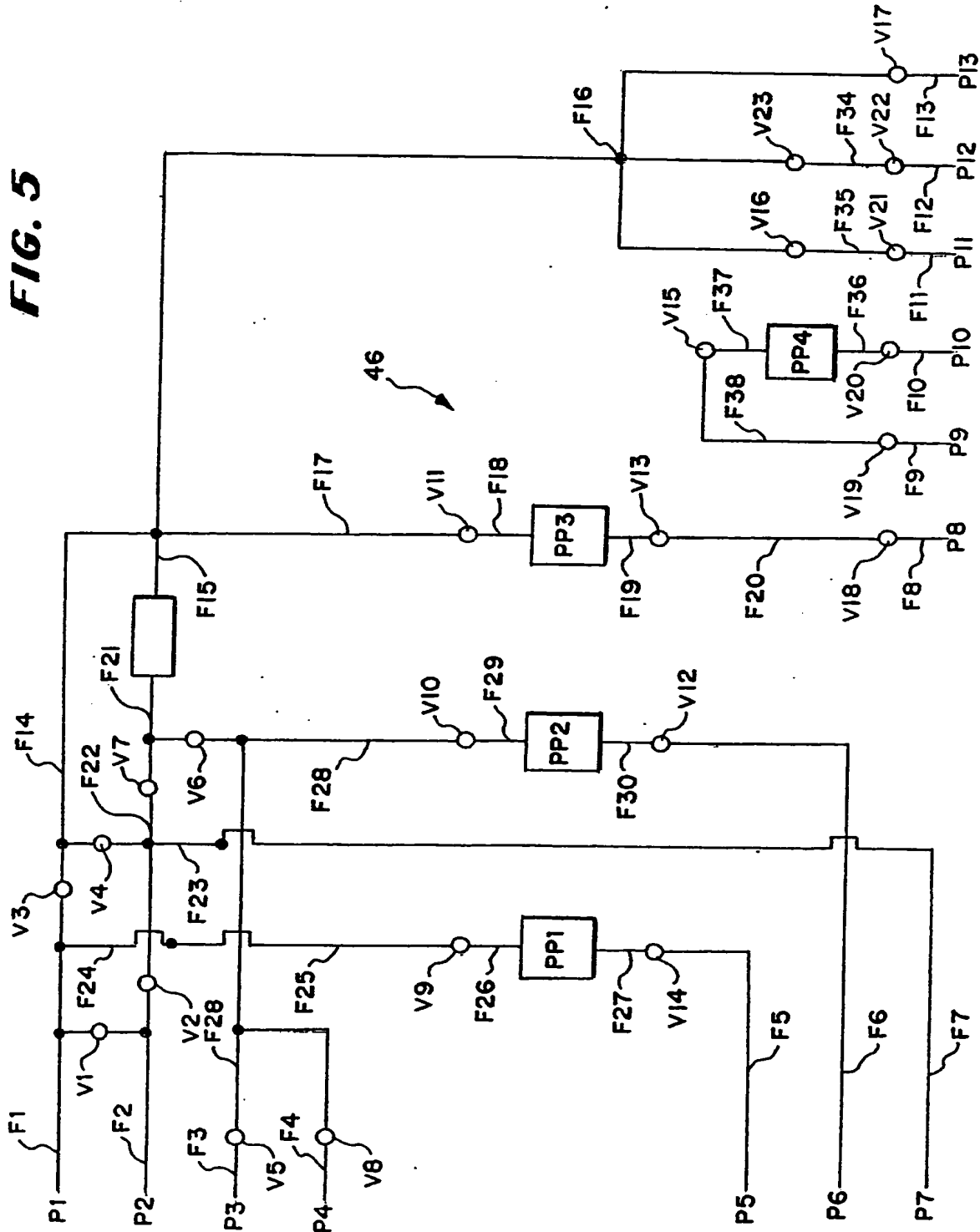
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FIG. 4

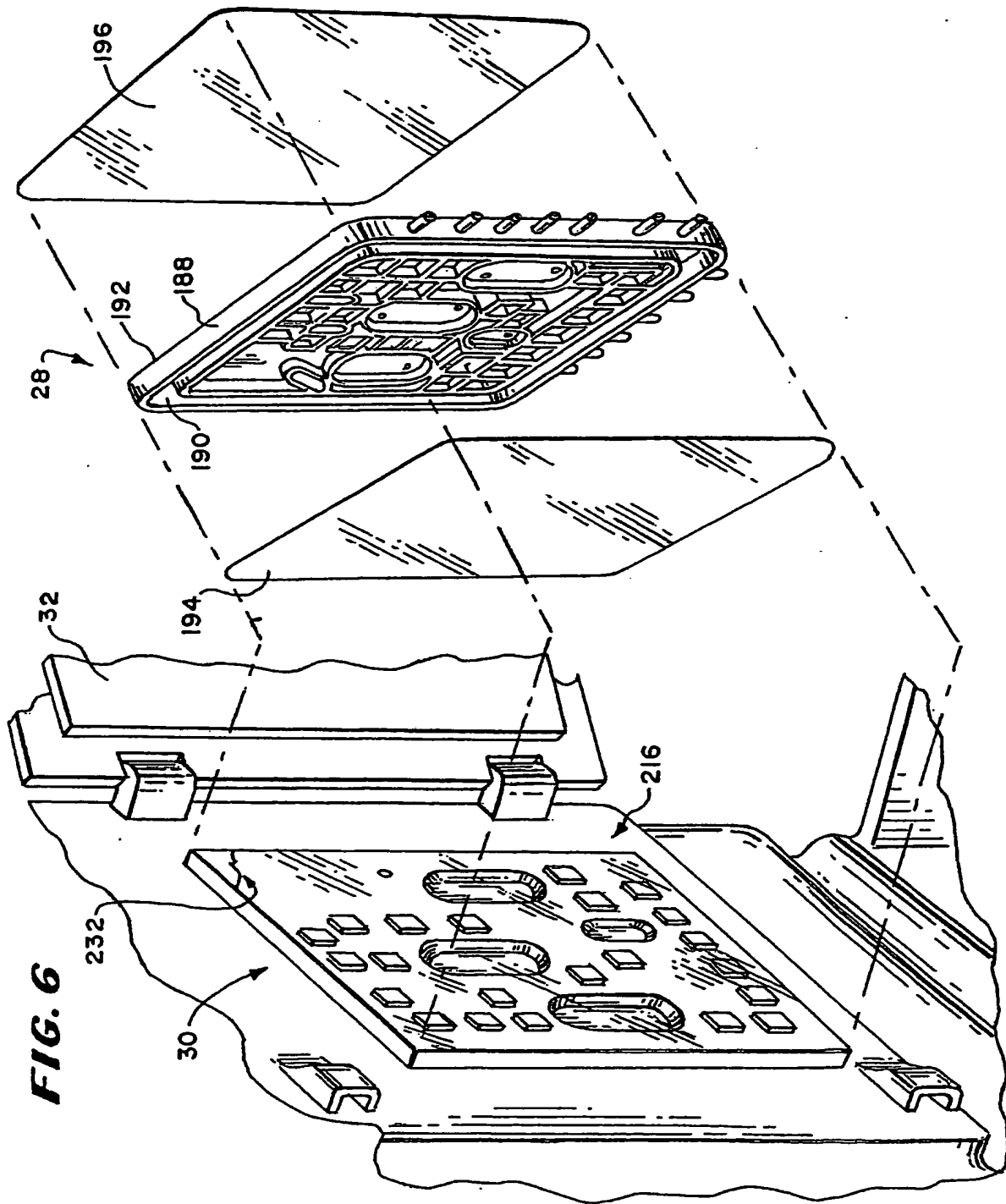


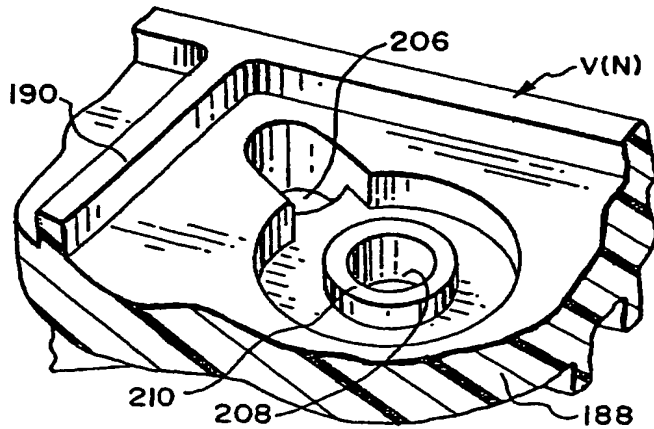
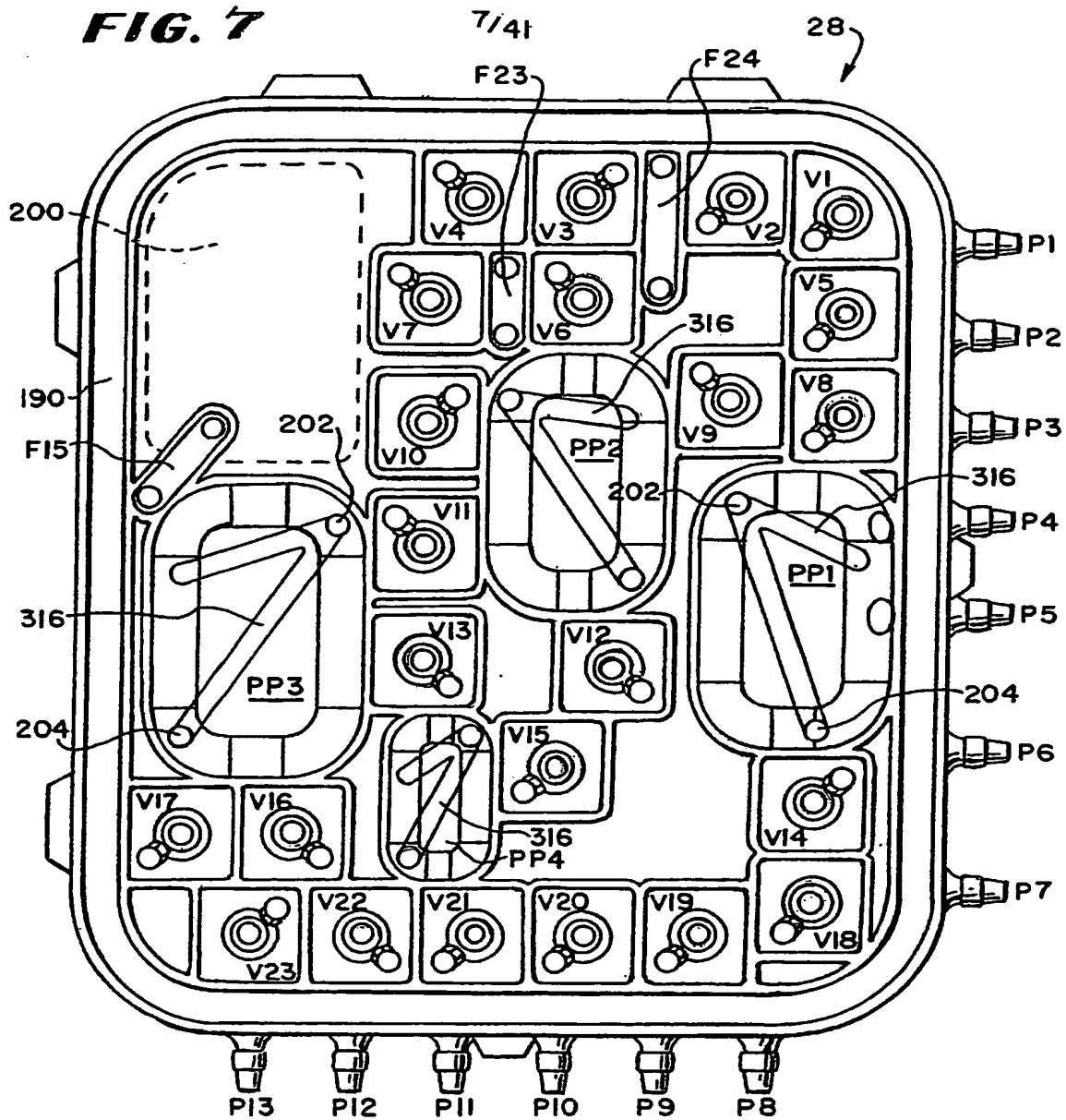
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FIG. 5



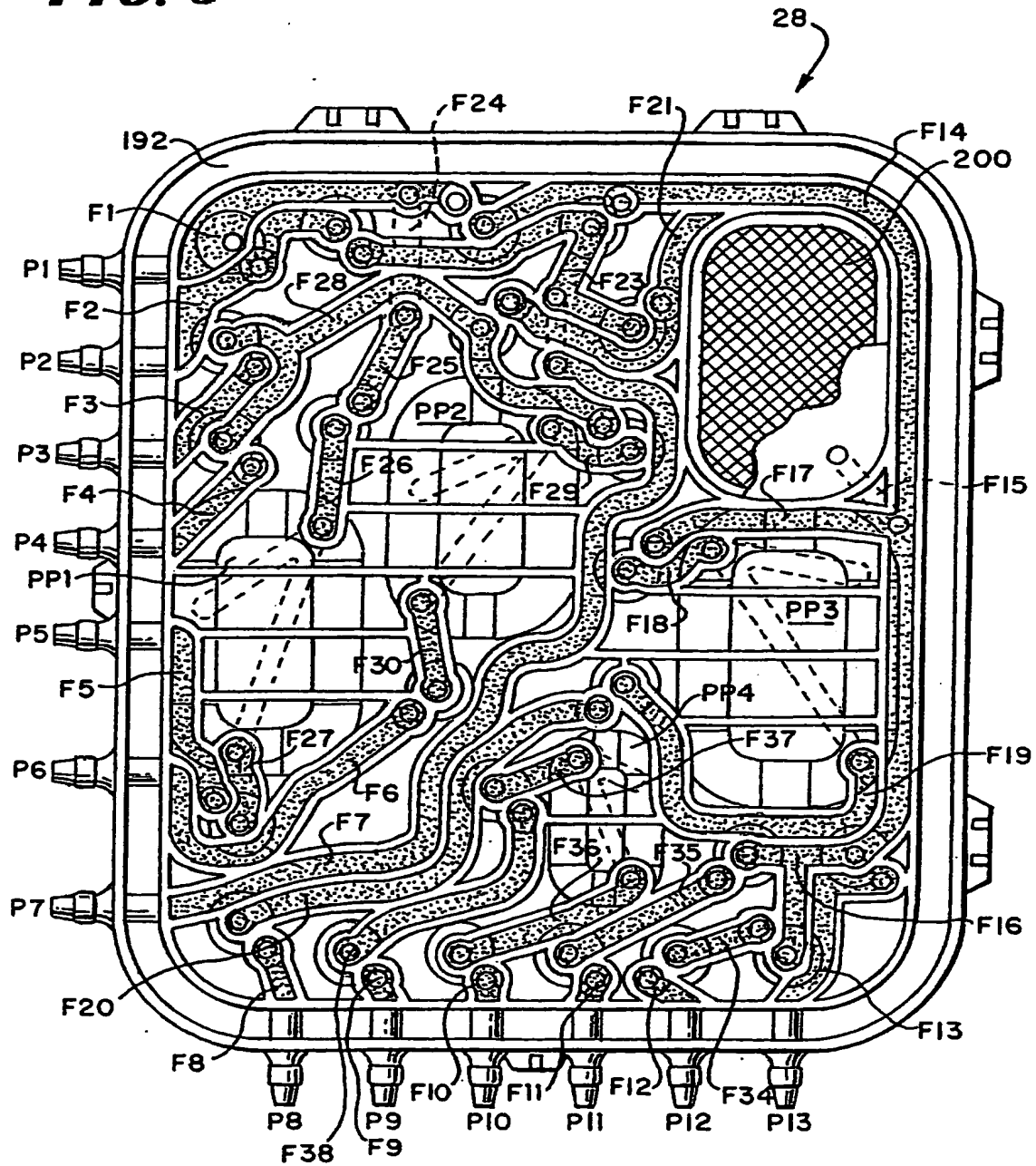
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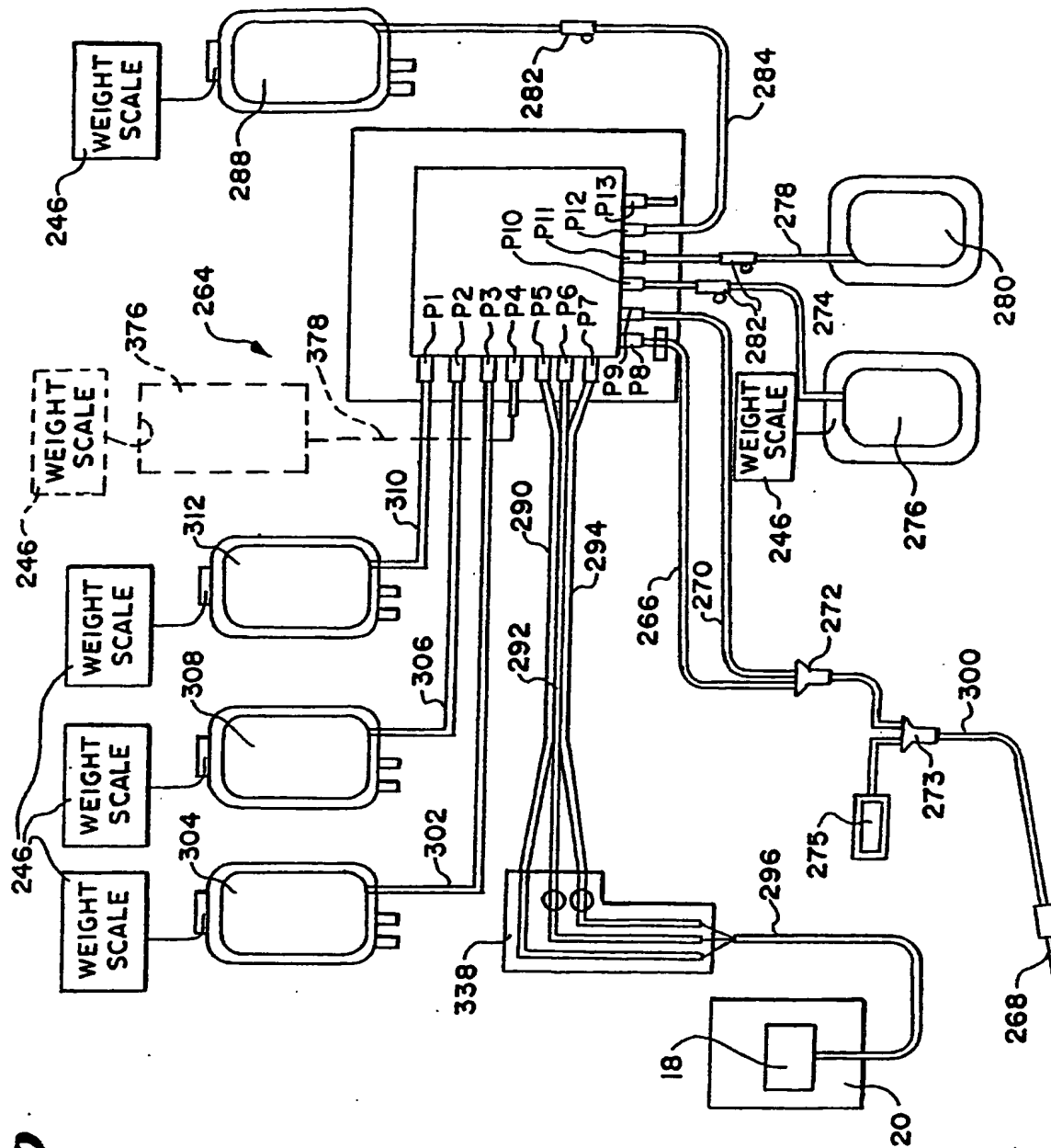
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FIG. 9



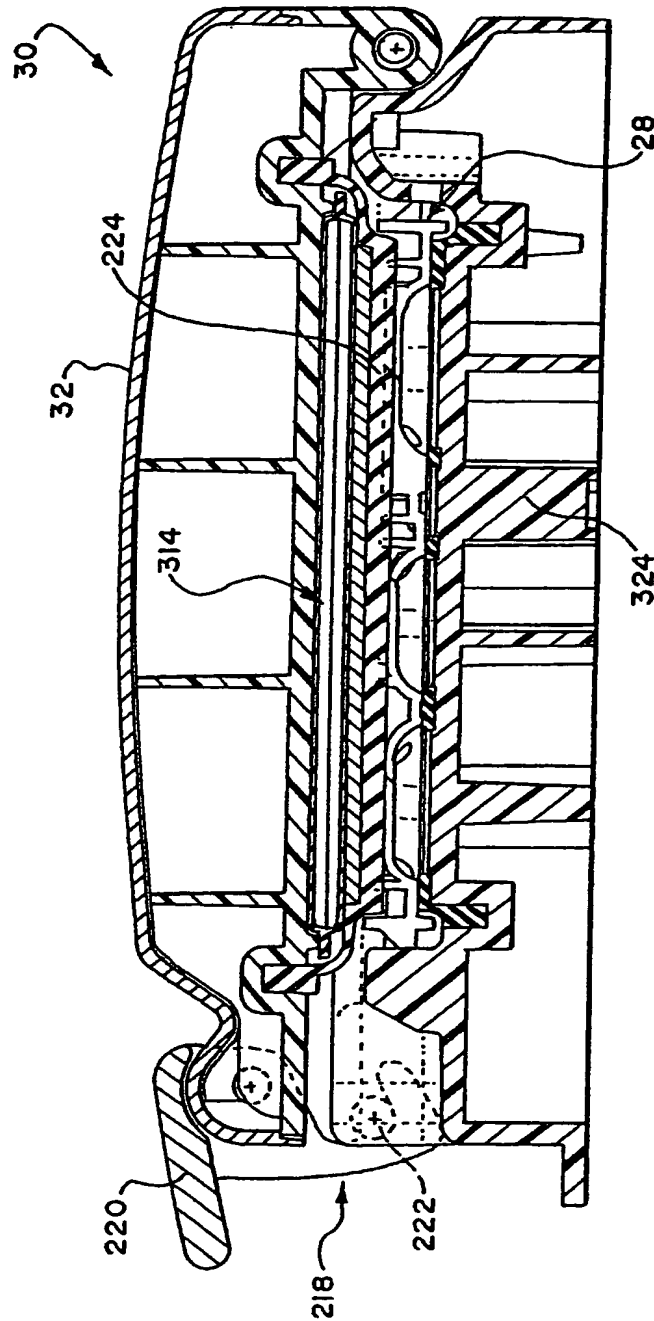
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FIG. 10



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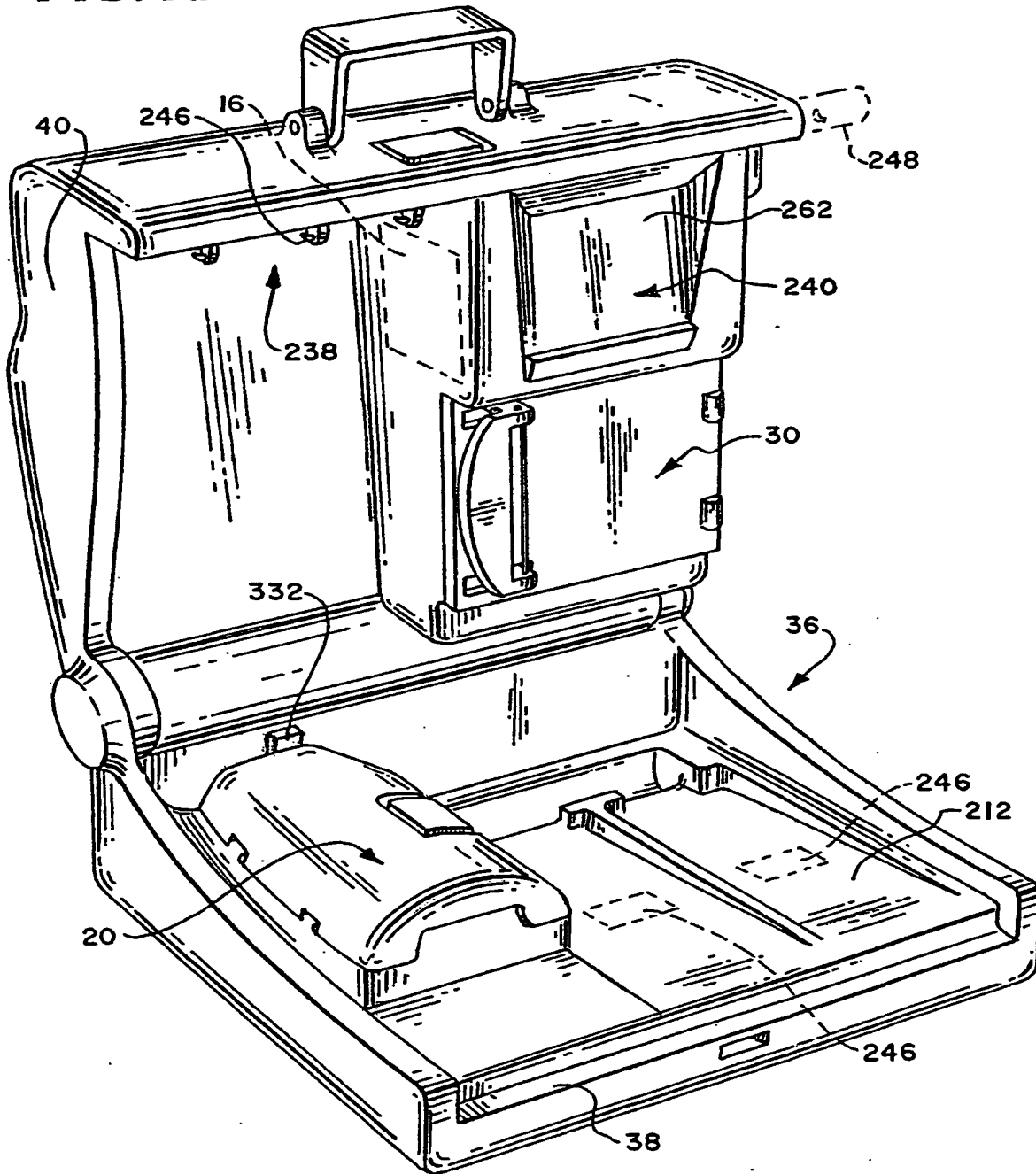
FIG. 11





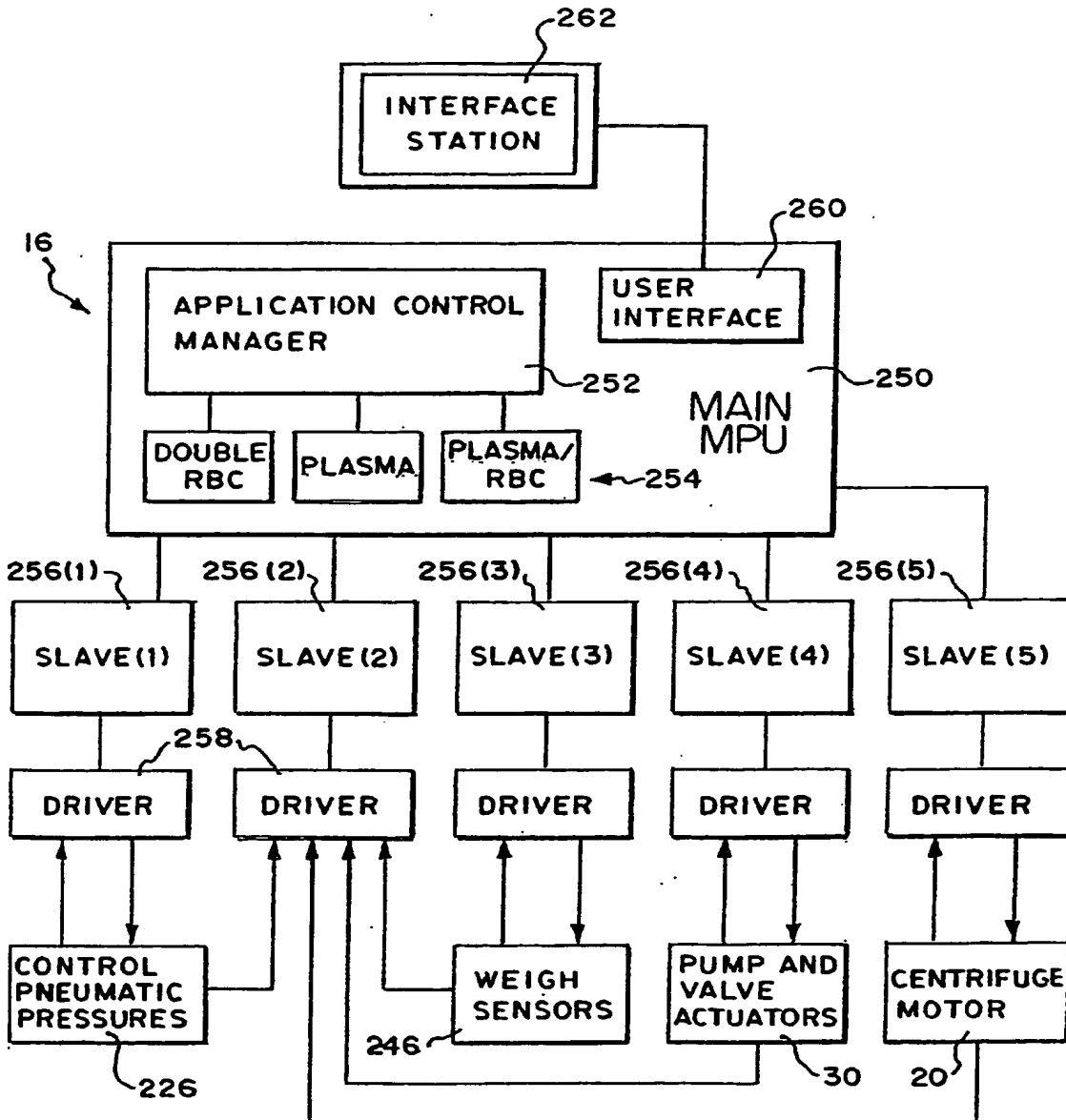
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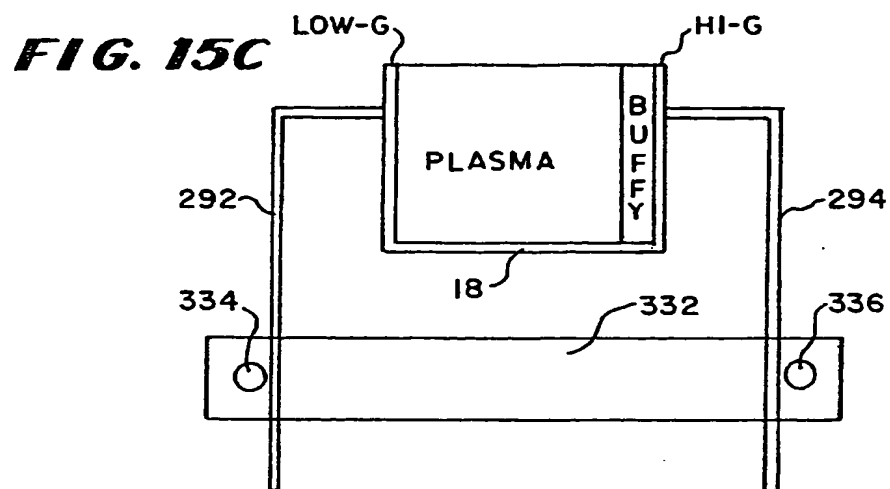
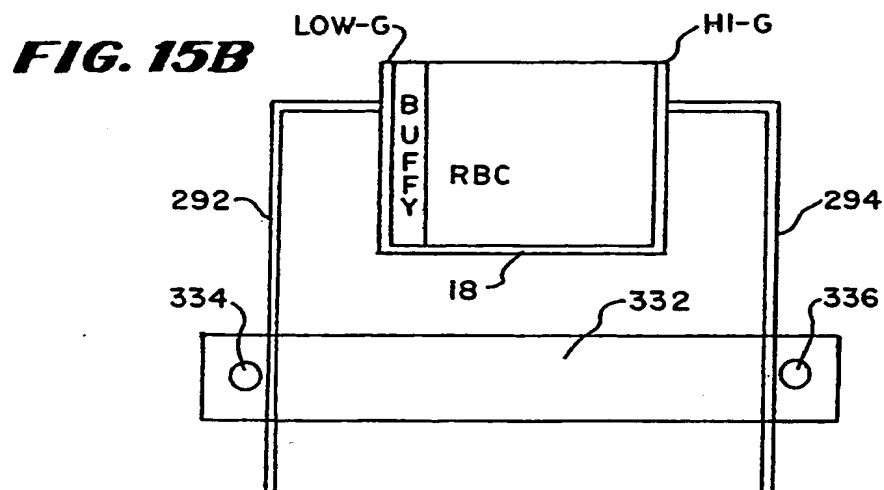
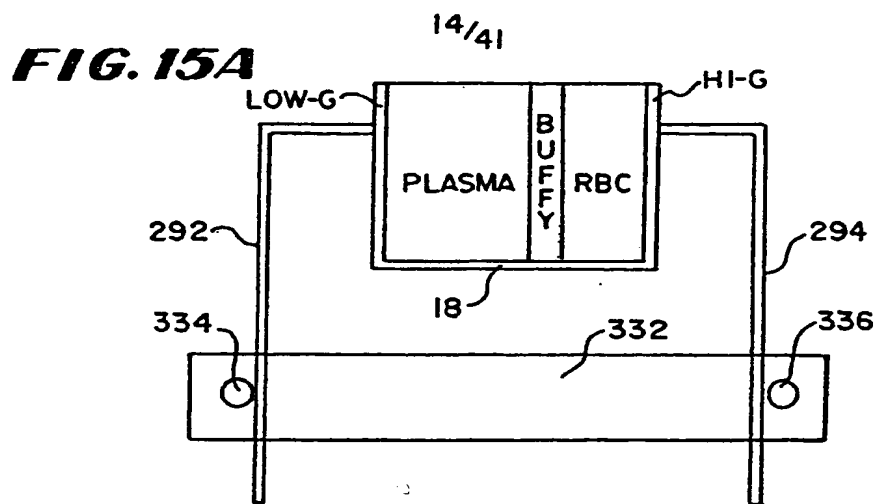
FIG. 13



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FIG. 14





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FIG 16

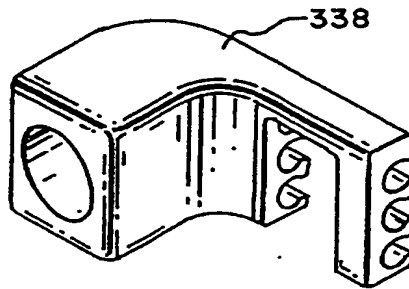


FIG. 17

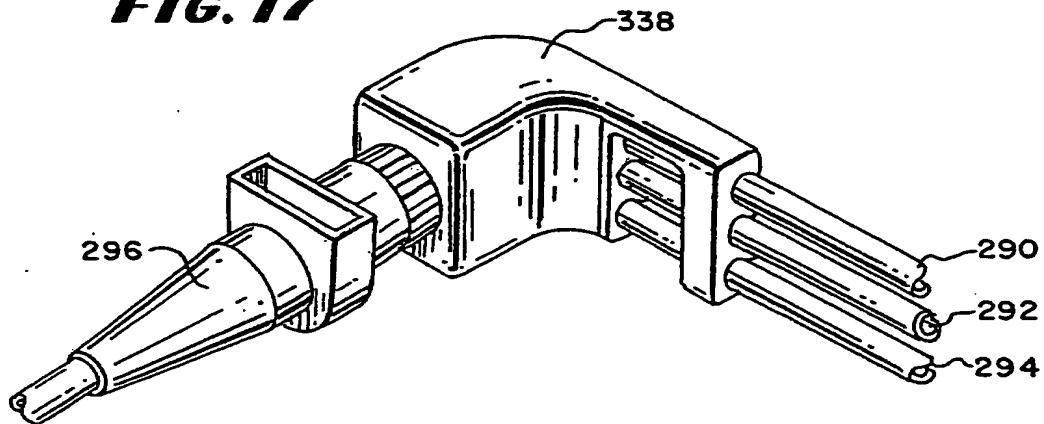


FIG. 18

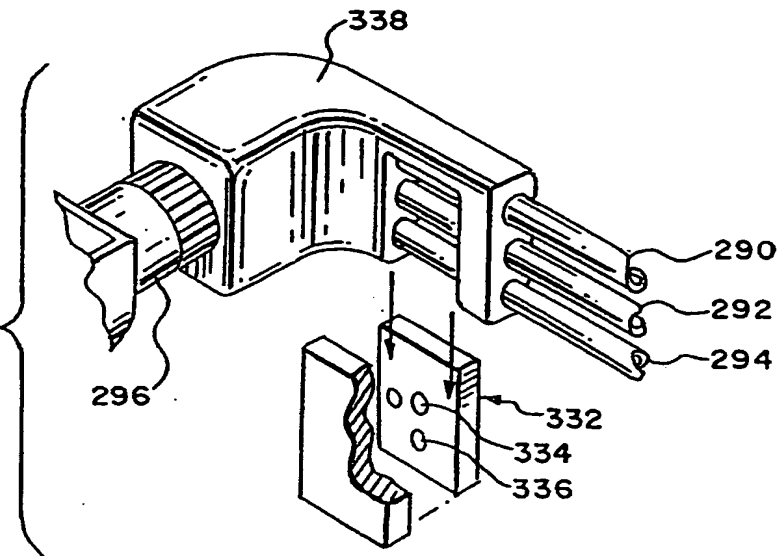


FIG. 19

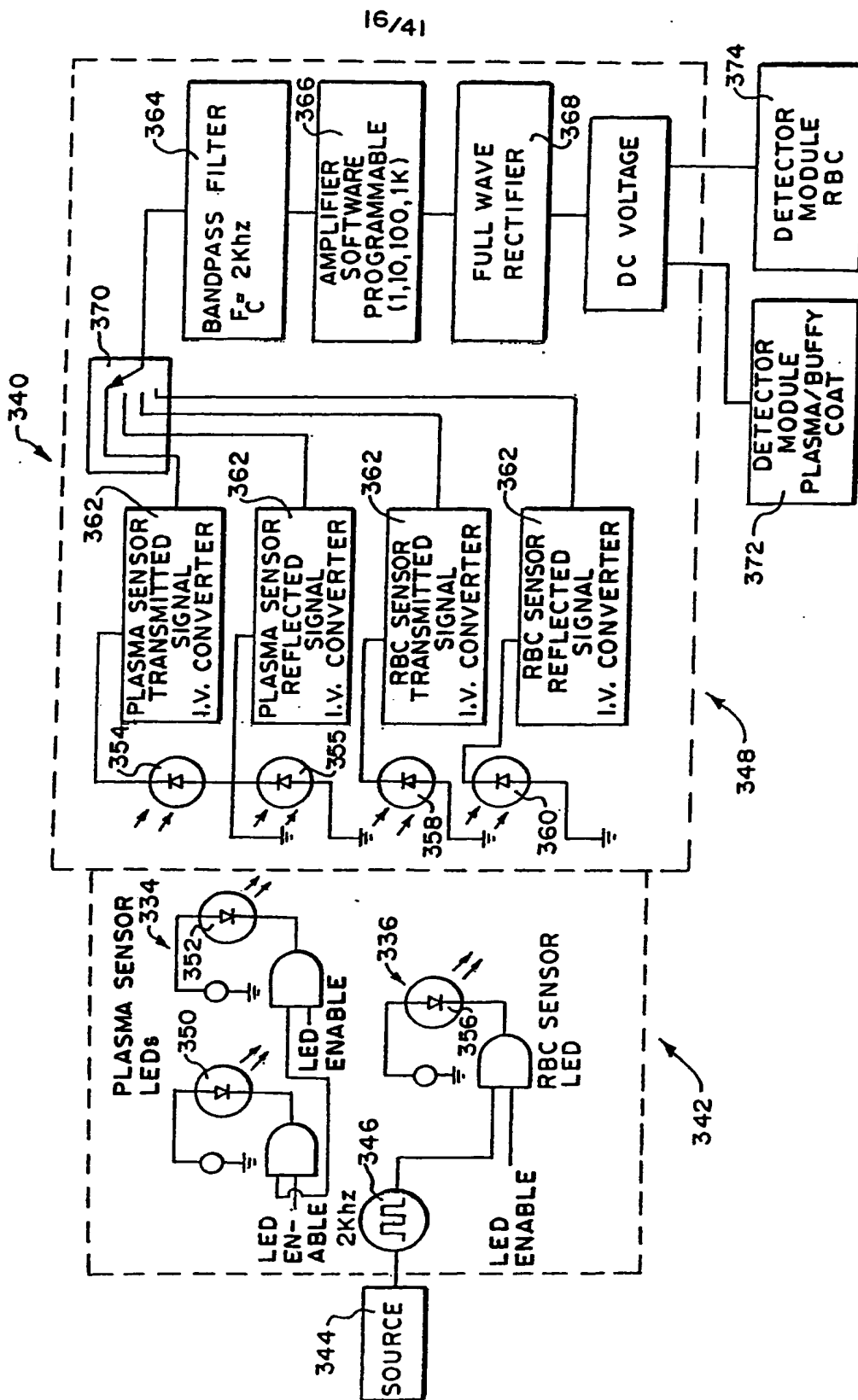
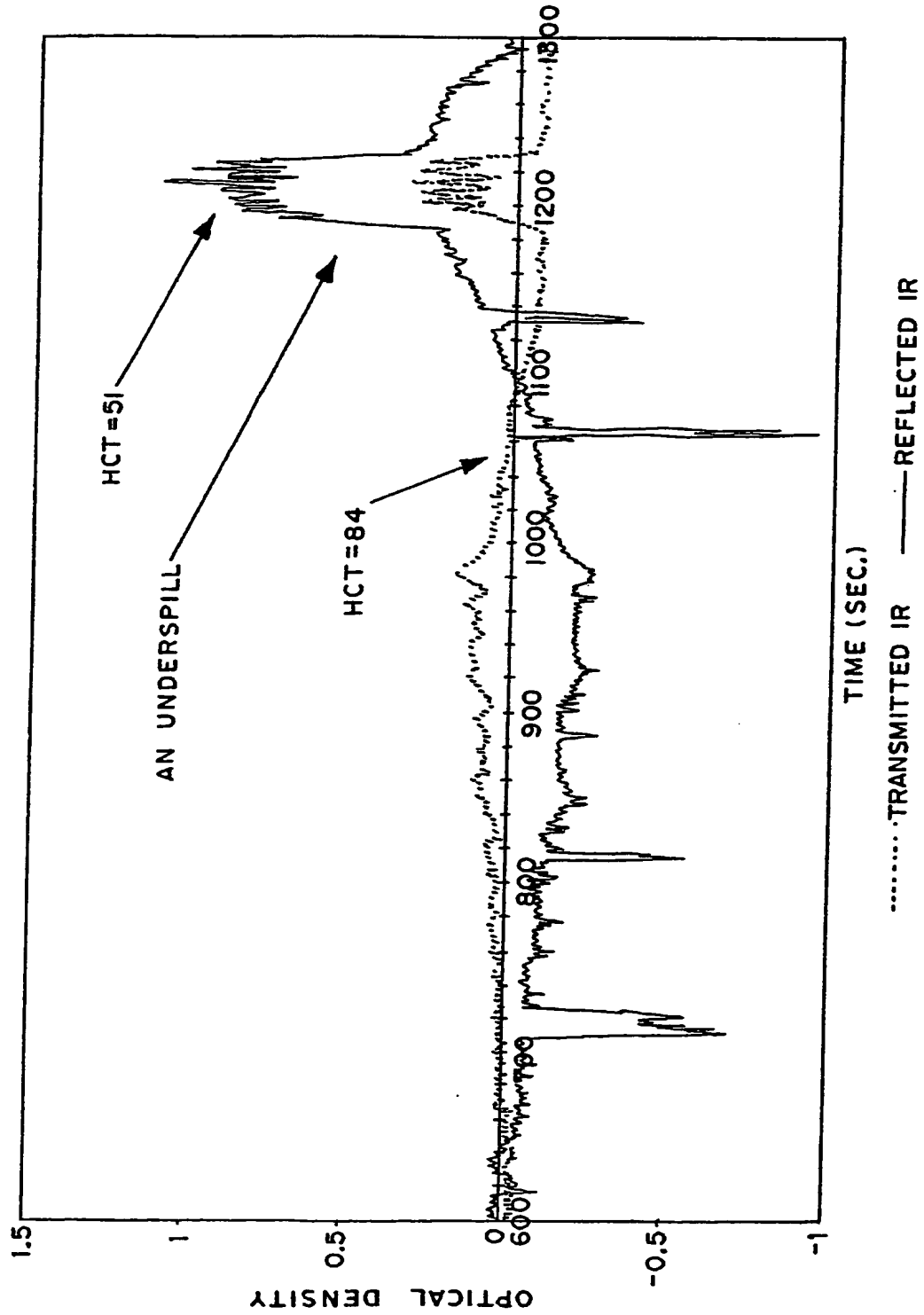


FIG. 20



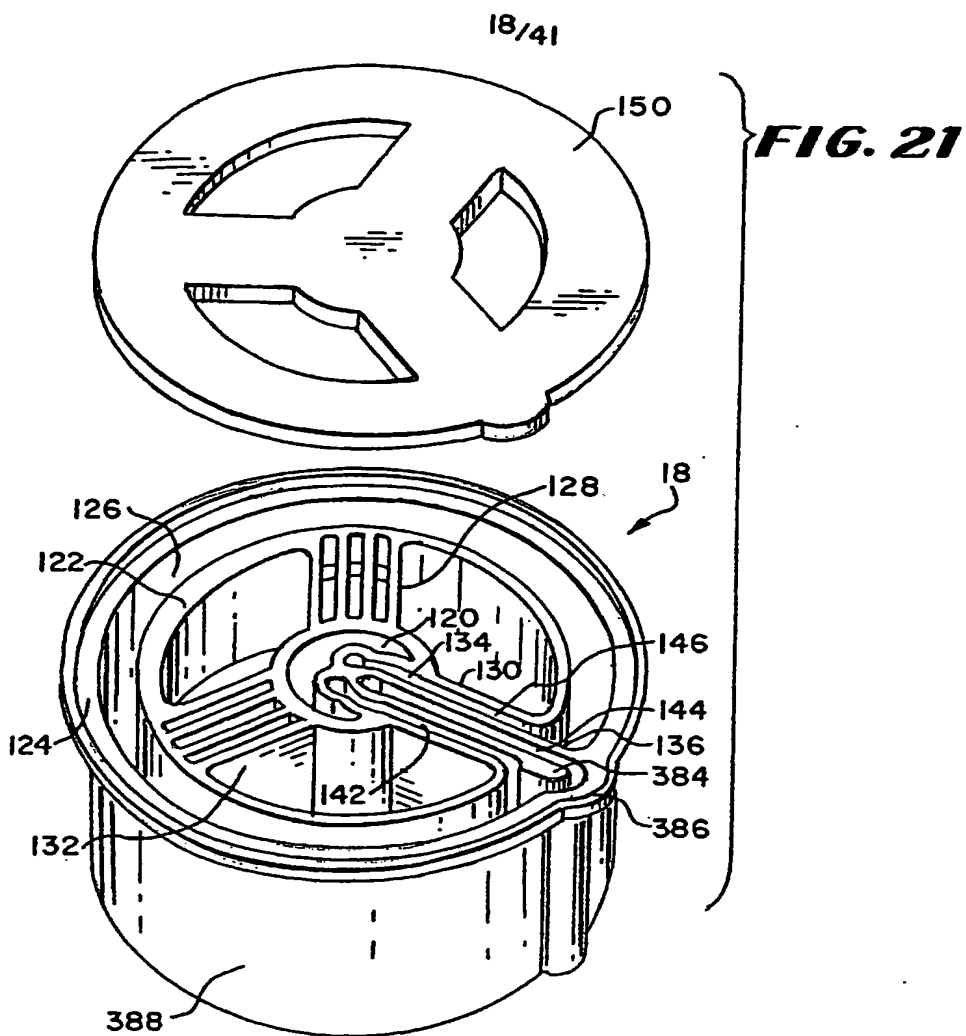
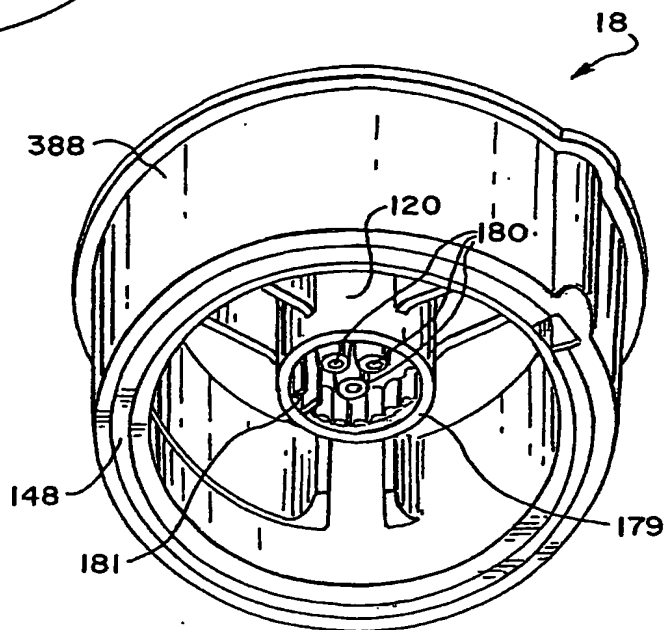


FIG. 22



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FIG. 23

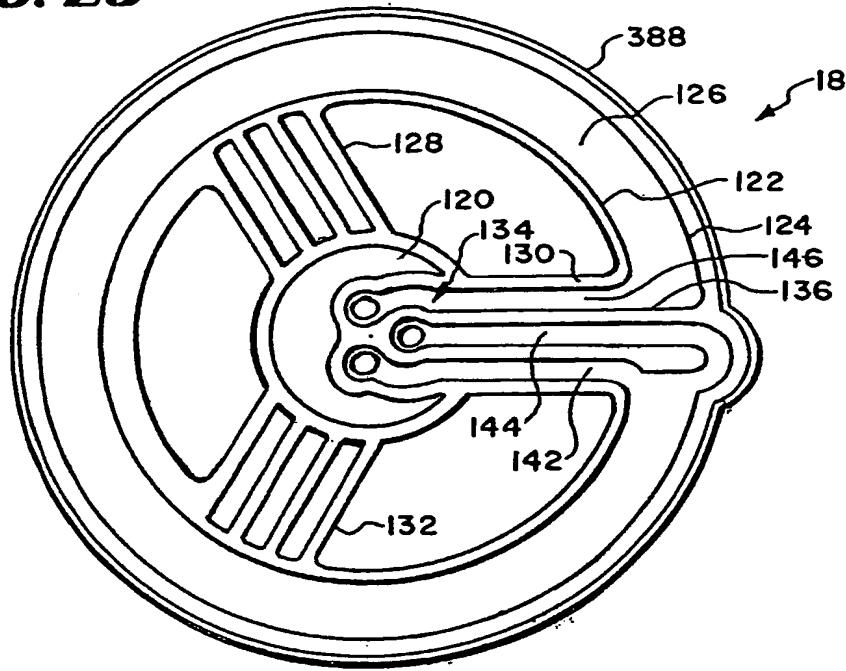


FIG. 24

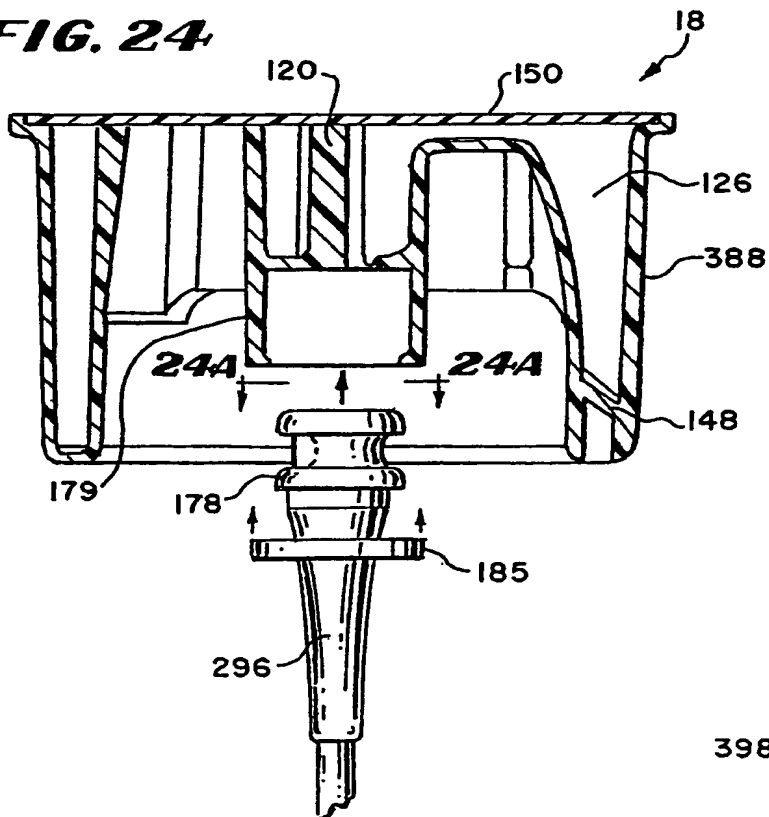
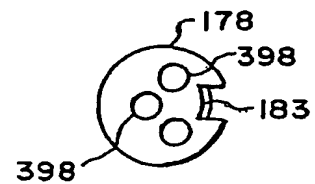
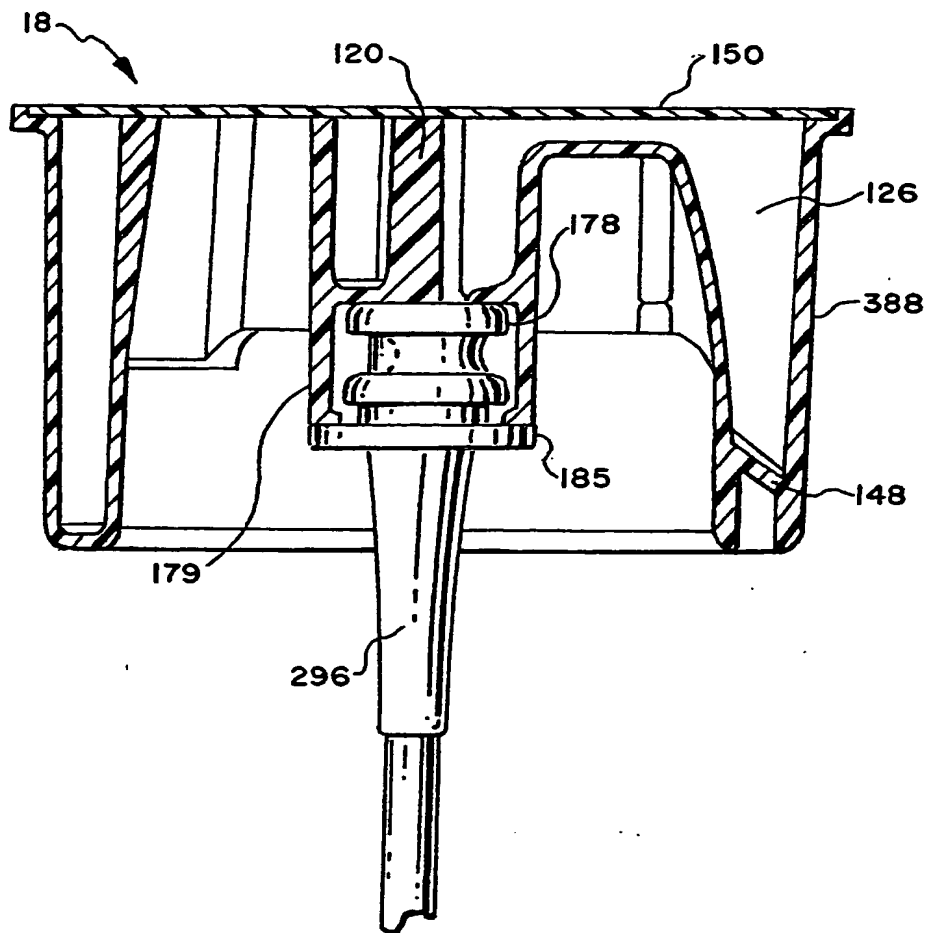


FIG. 24A

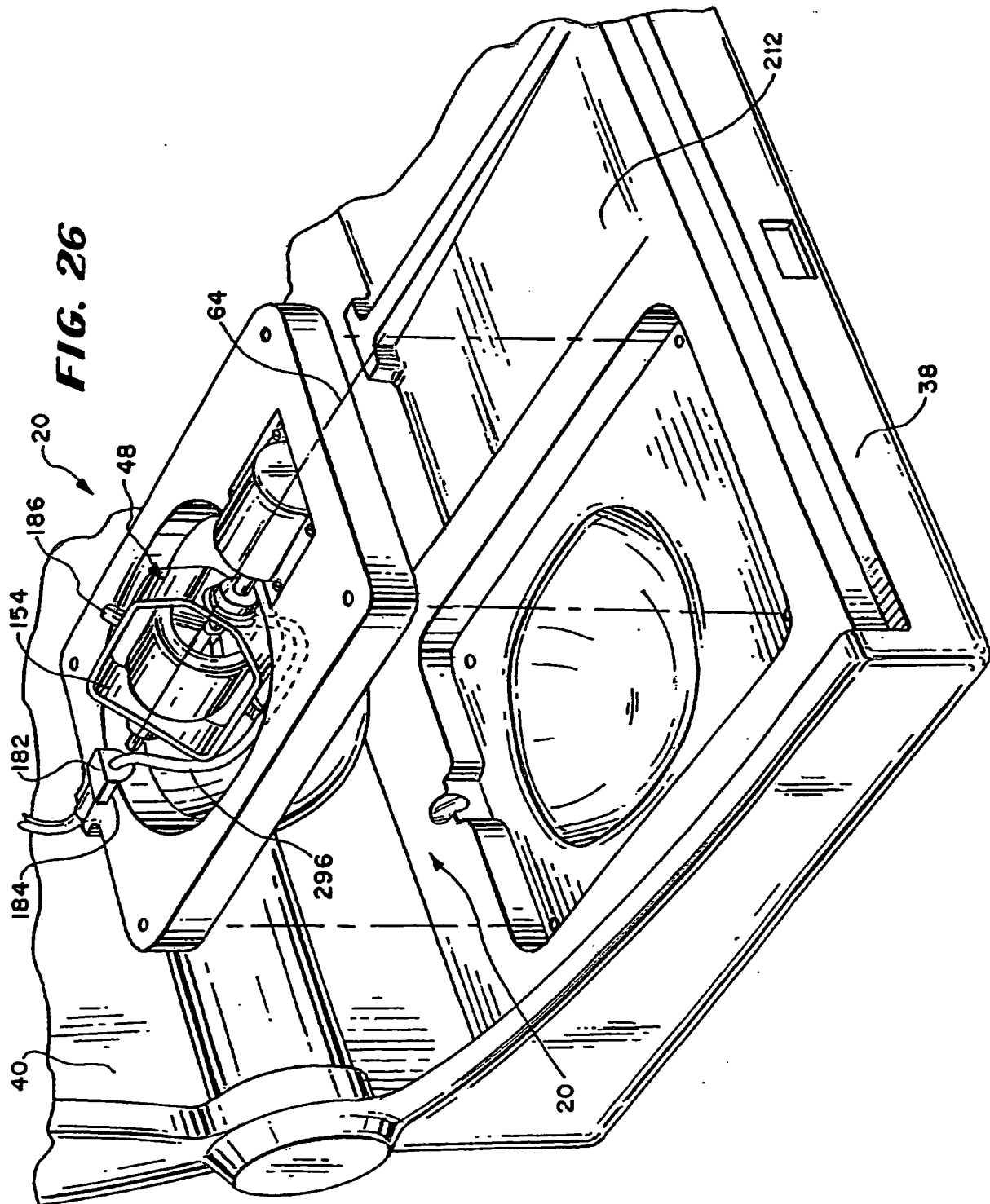


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FIG. 25



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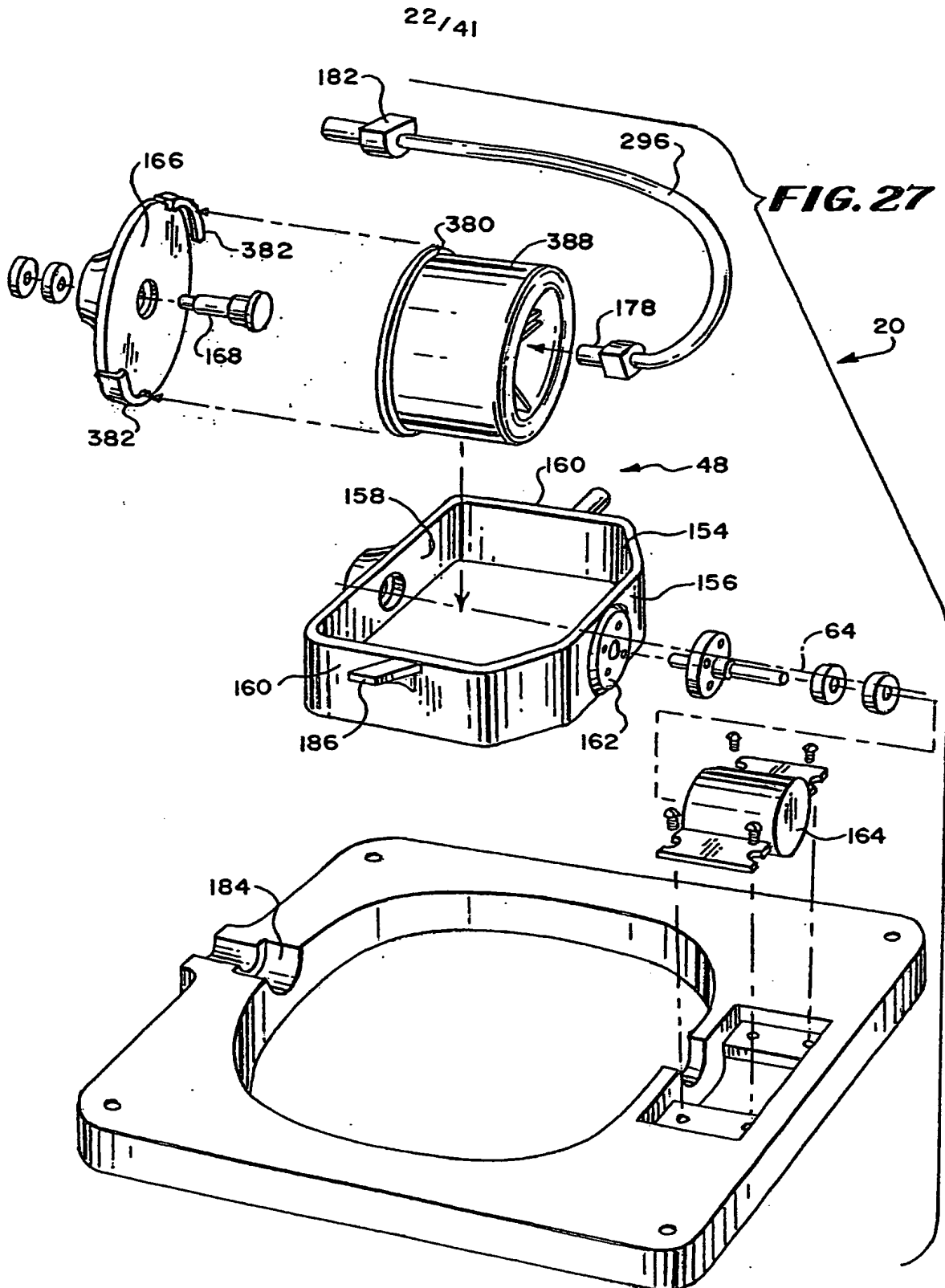


FIG. 28

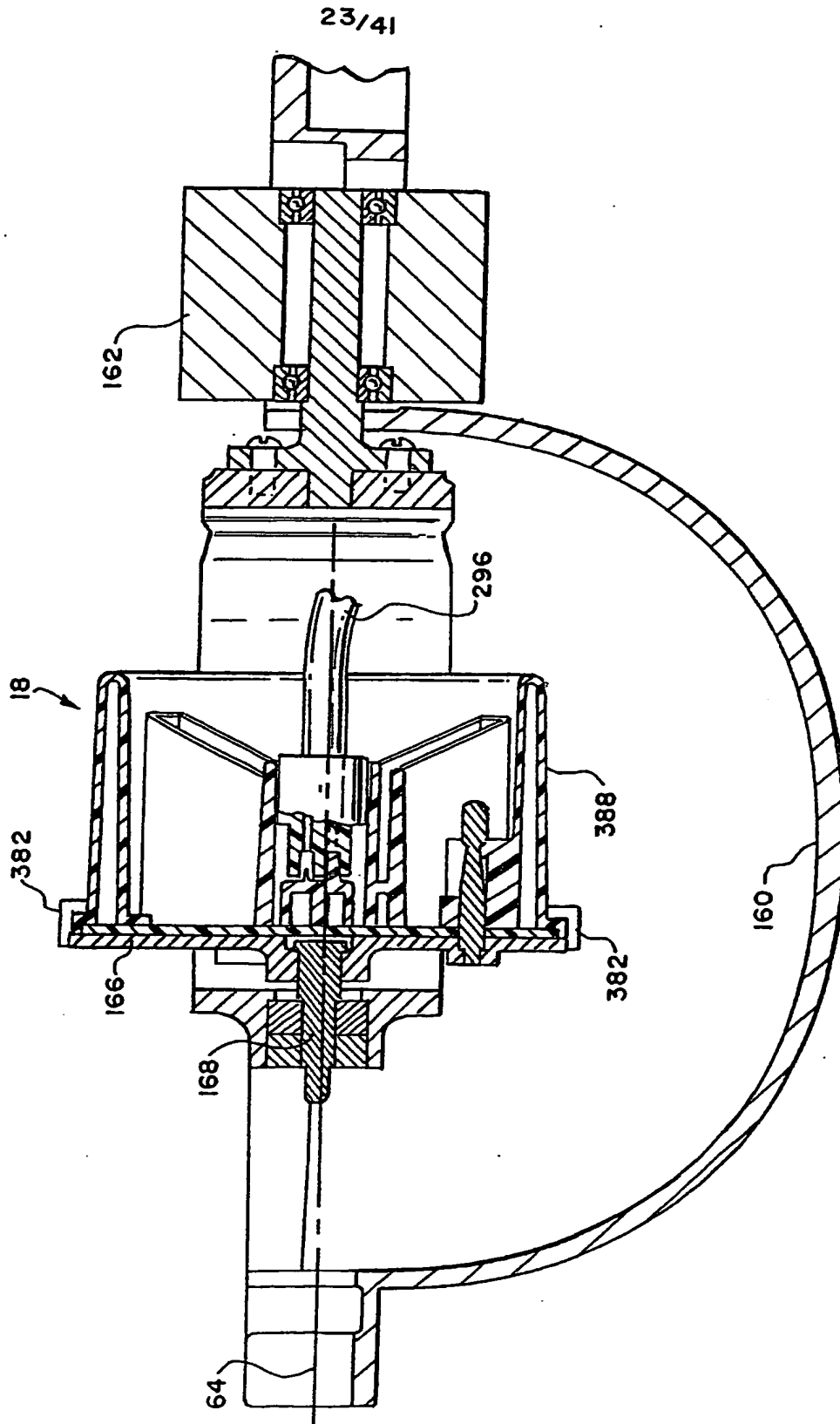


FIG. 29

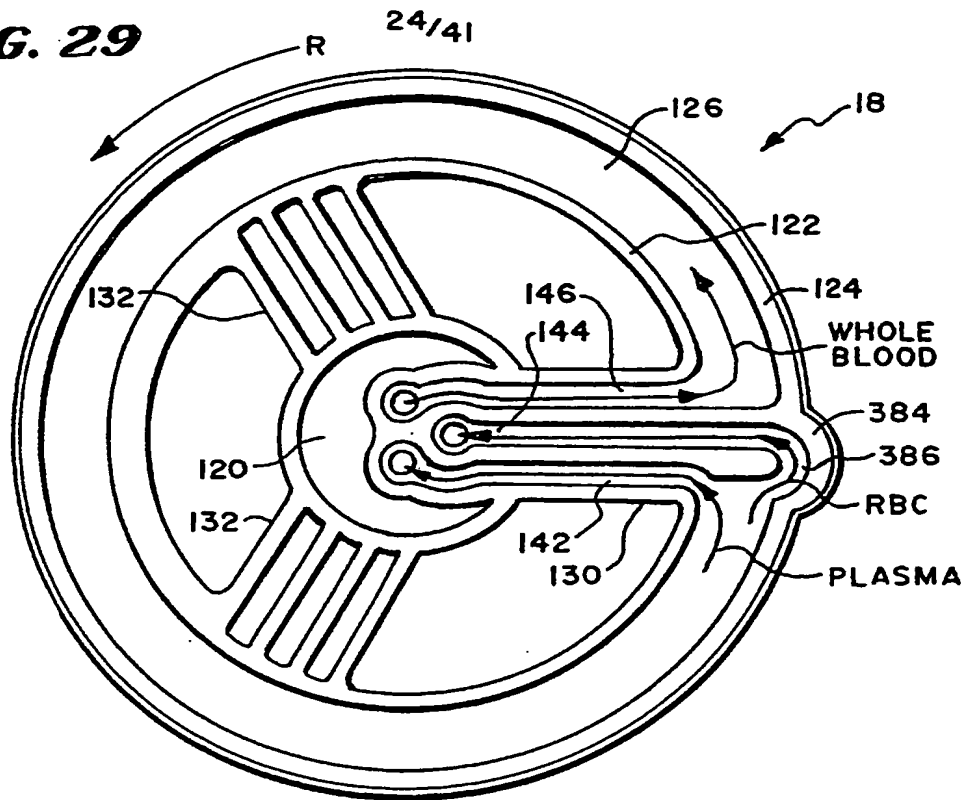
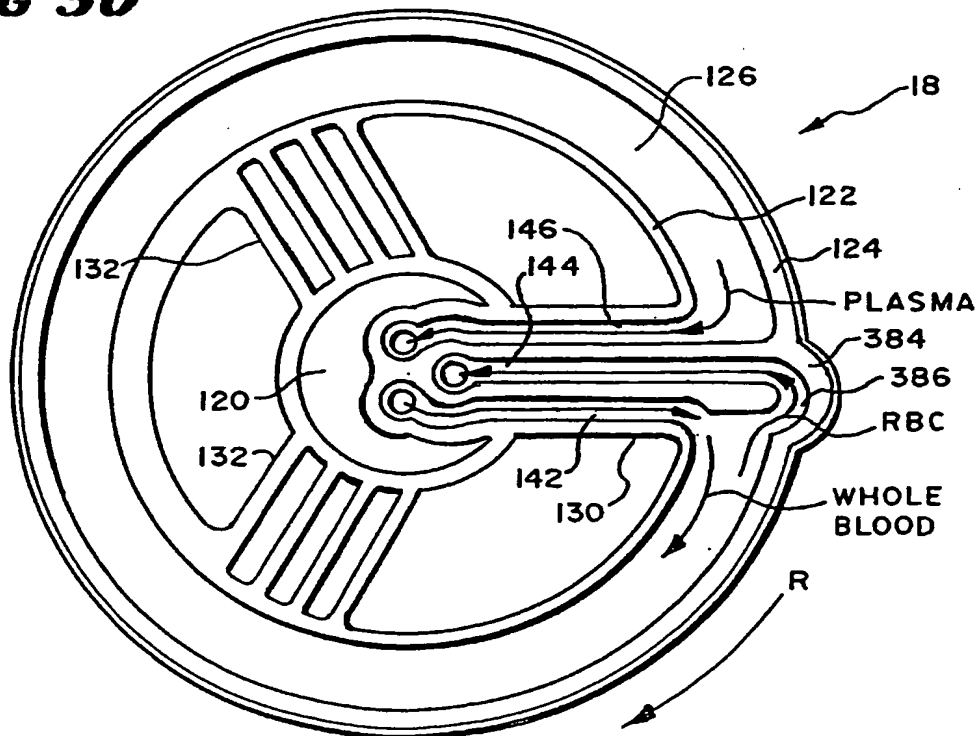


FIG 30



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FIG. 31

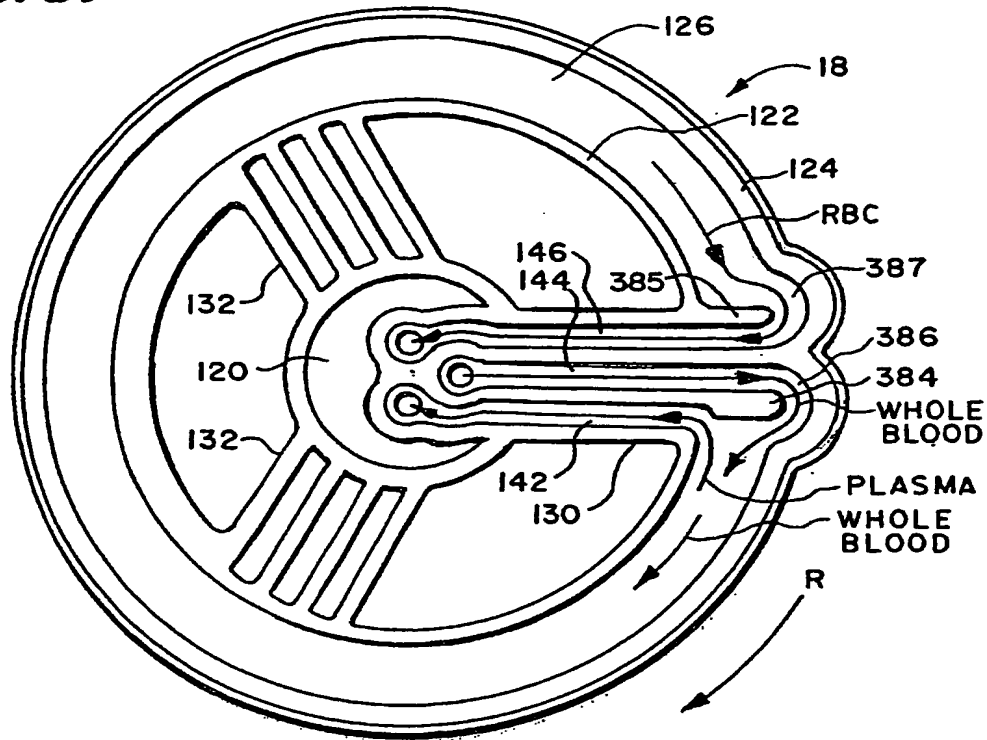
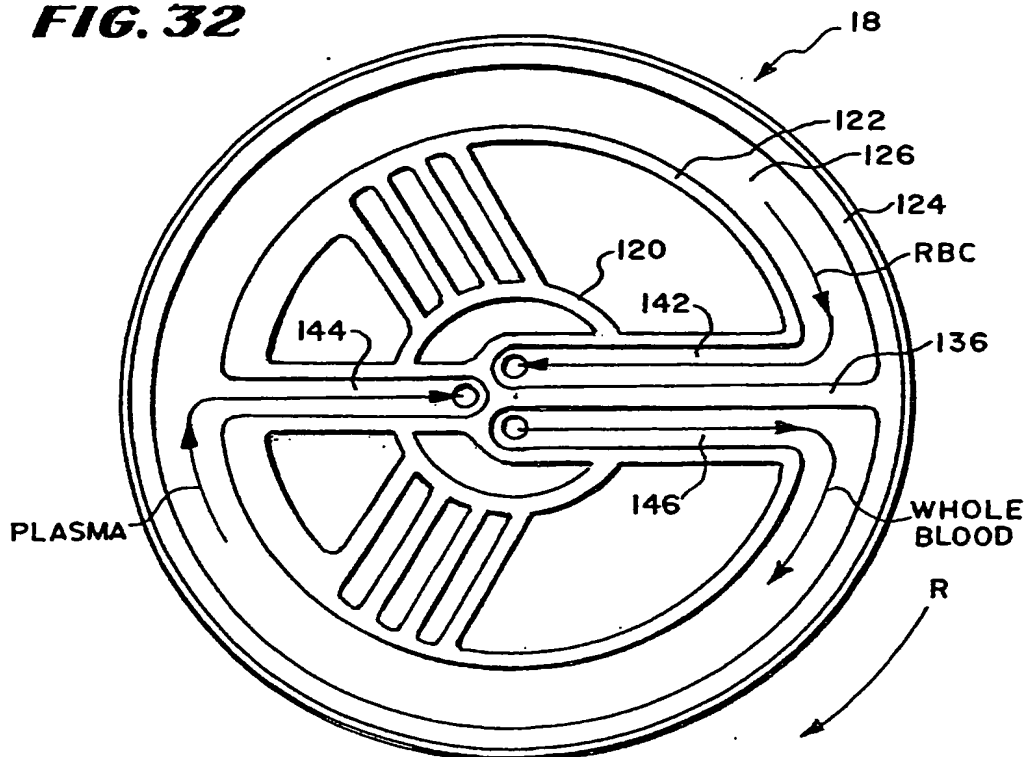


FIG. 32



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FIG 33

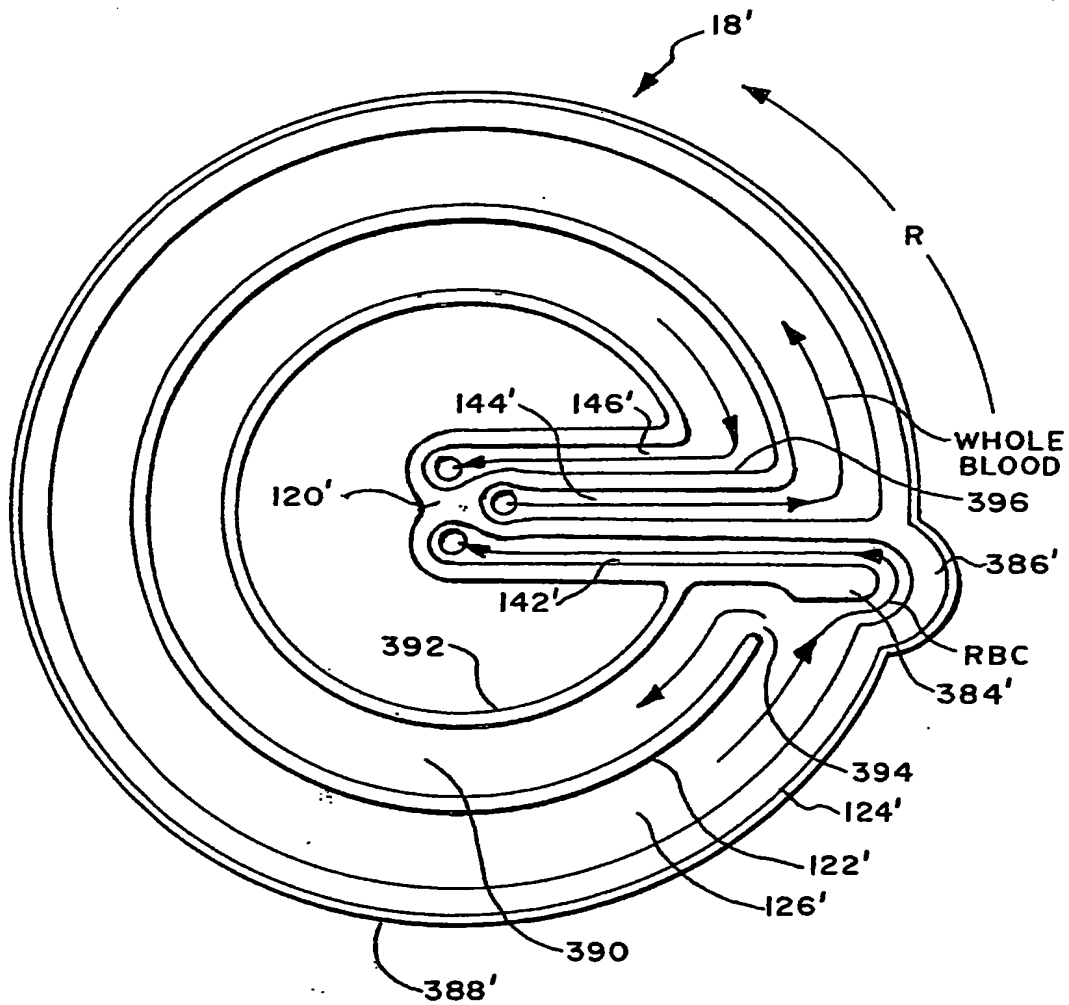
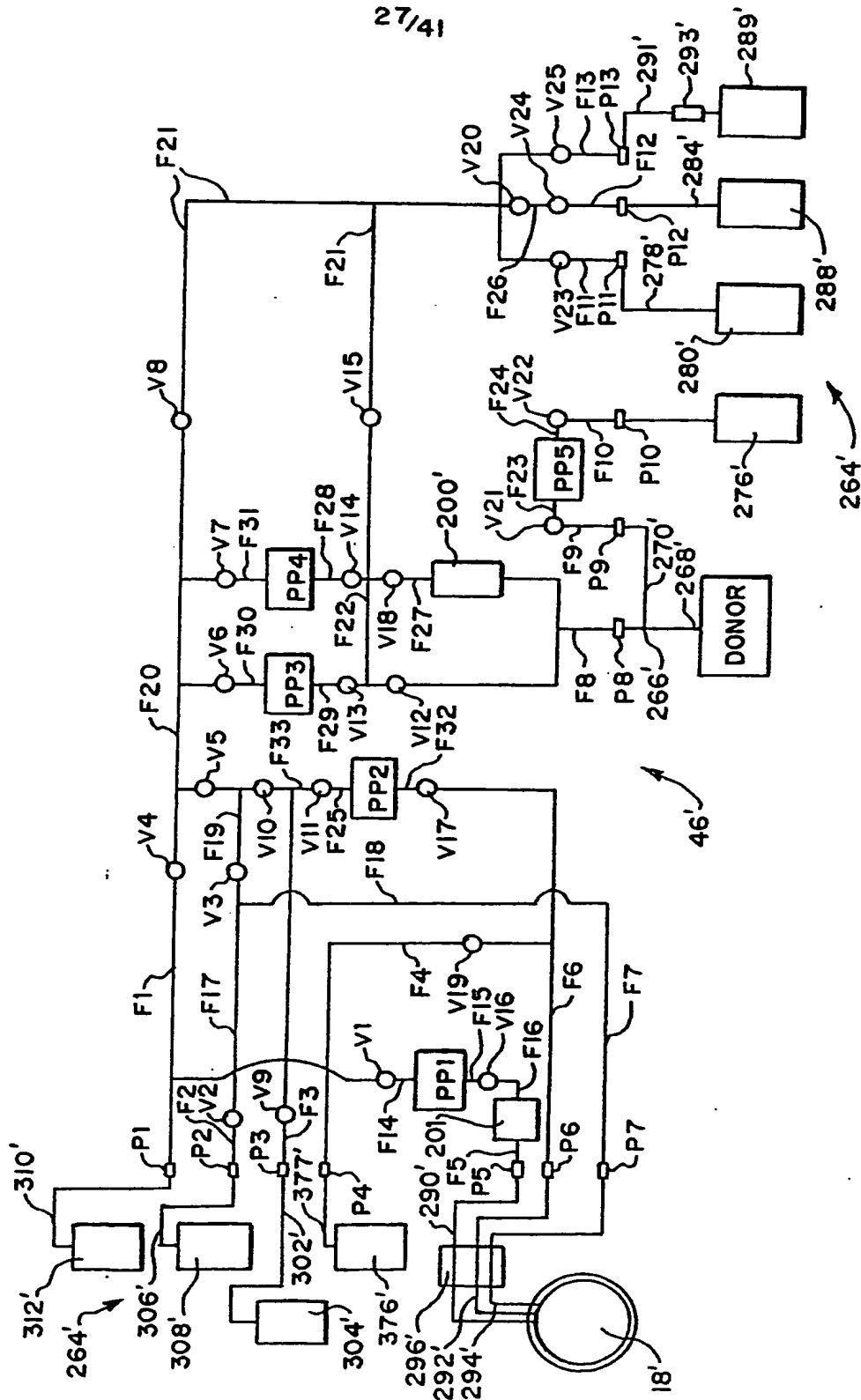


FIG. 34



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FIG. 35

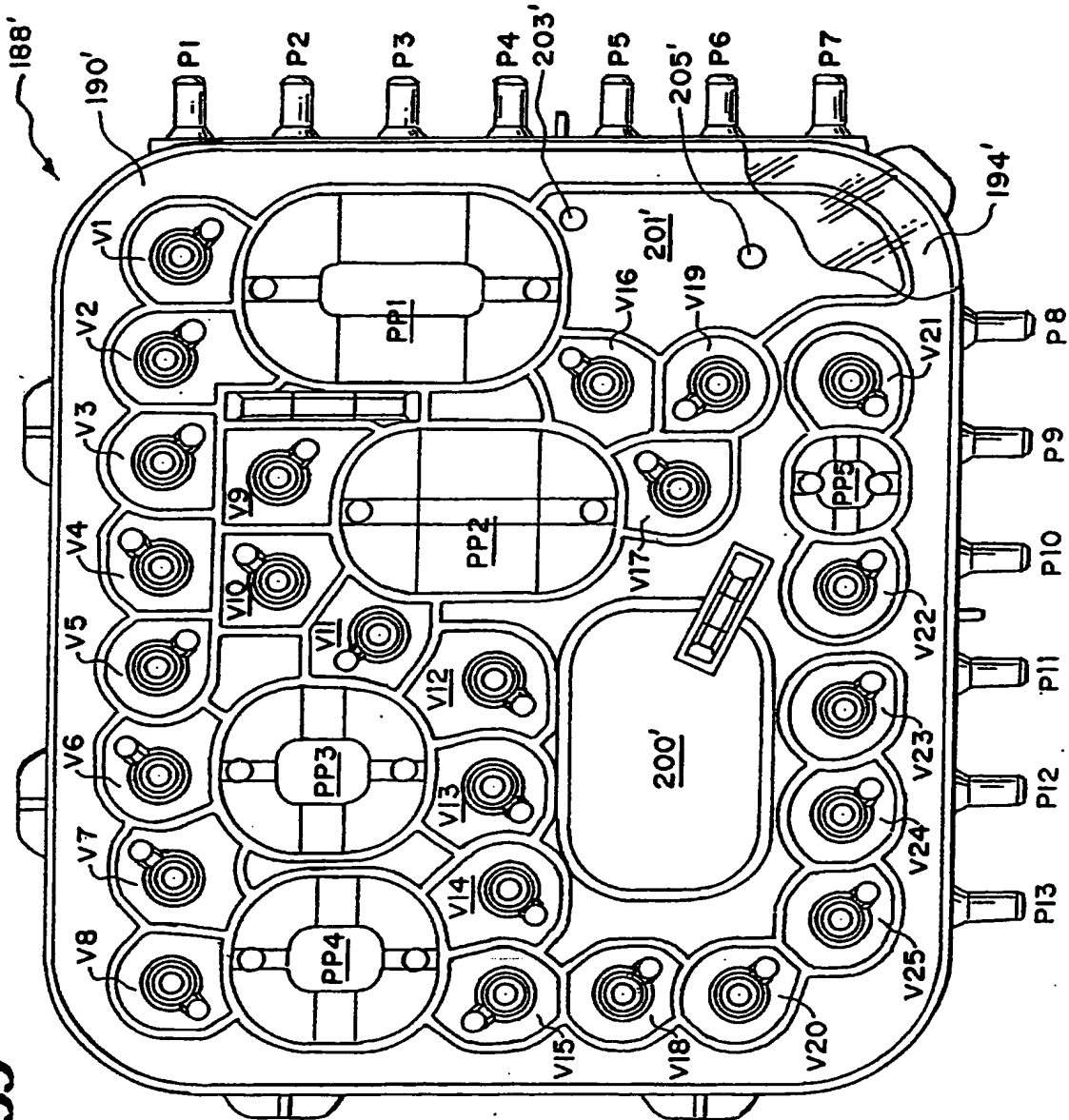
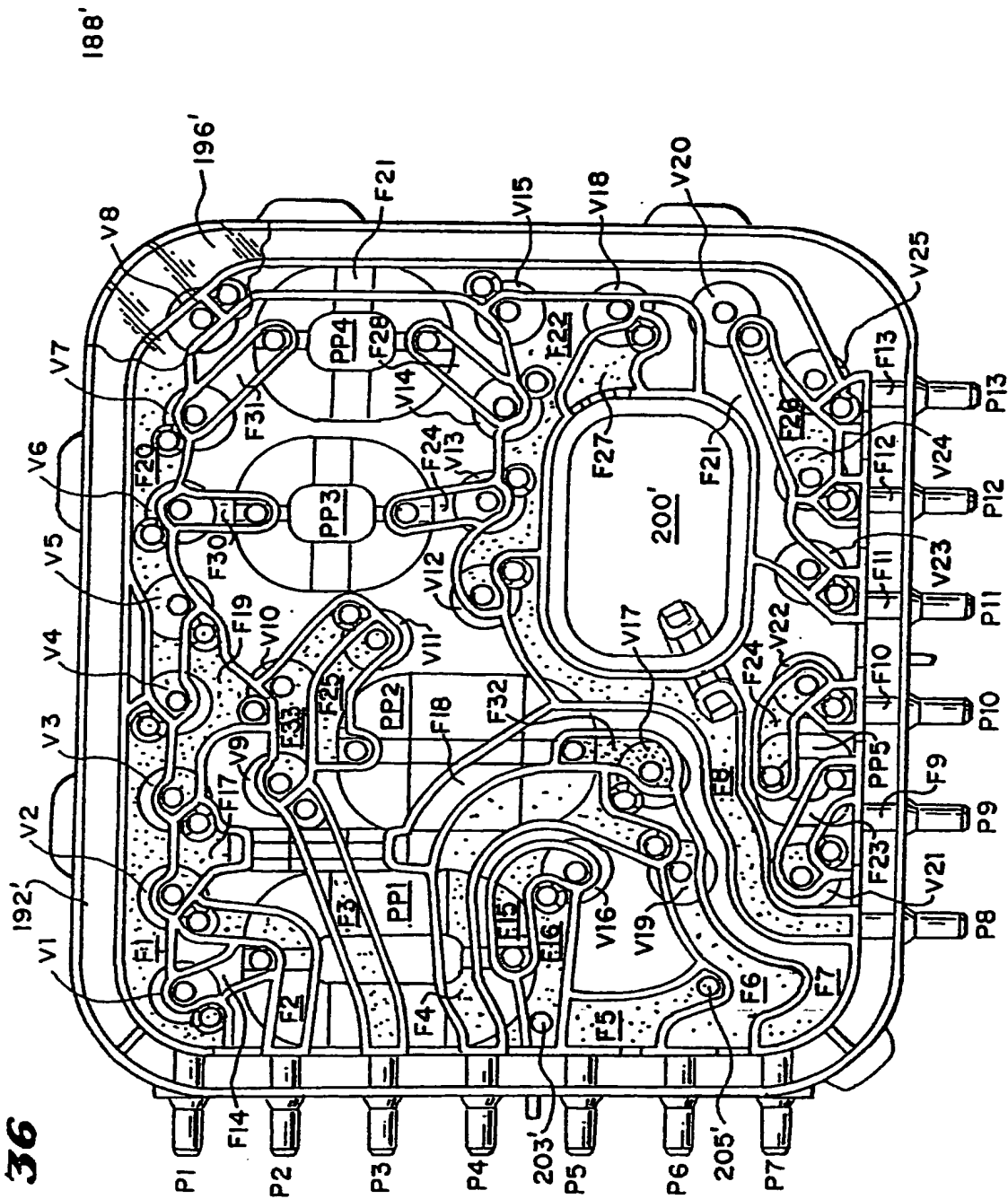


FIG. 36



The diagram illustrates a complex multi-stage liquid chromatography system, designated as 46'. The system is composed of several interconnected components and flow paths:

- Input and Initial Stages:** The system begins with an input line 310' that splits into three parallel channels. The first channel contains a component 312' and a valve 264'. The second channel contains a component 306' and a valve 308'. The third channel contains a component 304' and a valve 302'. These channels converge into a single line passing through a valve 377' and a component 376'.
- Intermediate Stages:** The flow continues through a series of valves (P1, P2, P3, P4) and components (F1, F2, F3, F4, F5, F6, F7). A central component 201 is connected to the flow path via valves V1, V2, V3, V4, V5, V6, V7, V8, V9, V10, V11, V12, V13, V14, V15, V16, V17, V18, V19, V20, V21, V22, V23, V24, V25, V26, V27, V28, V29, V30, V31, V32, V33, V34, V35, V36, V37, V38, V39, V40, V41, V42, V43, V44, V45, V46, V47, V48, V49, V50, V51, V52, V53, V54, V55, V56, V57, V58, V59, V60, V61, V62, V63, V64, V65, V66, V67, V68, V69, V70, V71, V72, V73, V74, V75, V76, V77, V78, V79, V80, V81, V82, V83, V84, V85, V86, V87, V88, V89, V90, V91, V92, V93, V94, V95, V96, V97, V98, V99, V100.
- Output and Detection:** The system concludes with a series of valves (P5, P6, P7) and components (F8, F9, F10, F11, F12, F13, F14, F15, F16, F17, F18, F19, F20, F21, F22, F23, F24, F25, F26, F27, F28, F29, F30, F31, F32, F33, F34, F35, F36, F37, F38, F39, F40, F41, F42, F43, F44, F45, F46, F47, F48, F49, F50, F51, F52, F53, F54, F55, F56, F57, F58, F59, F60, F61, F62, F63, F64, F65, F66, F67, F68, F69, F70, F71, F72, F73, F74, F75, F76, F77, F78, F79, F80, F81, F82, F83, F84, F85, F86, F87, F88, F89, F90, F91, F92, F93, F94, F95, F96, F97, F98, F99, F100). The final output is directed to a detector or measurement unit 296'.

FIG. 37B

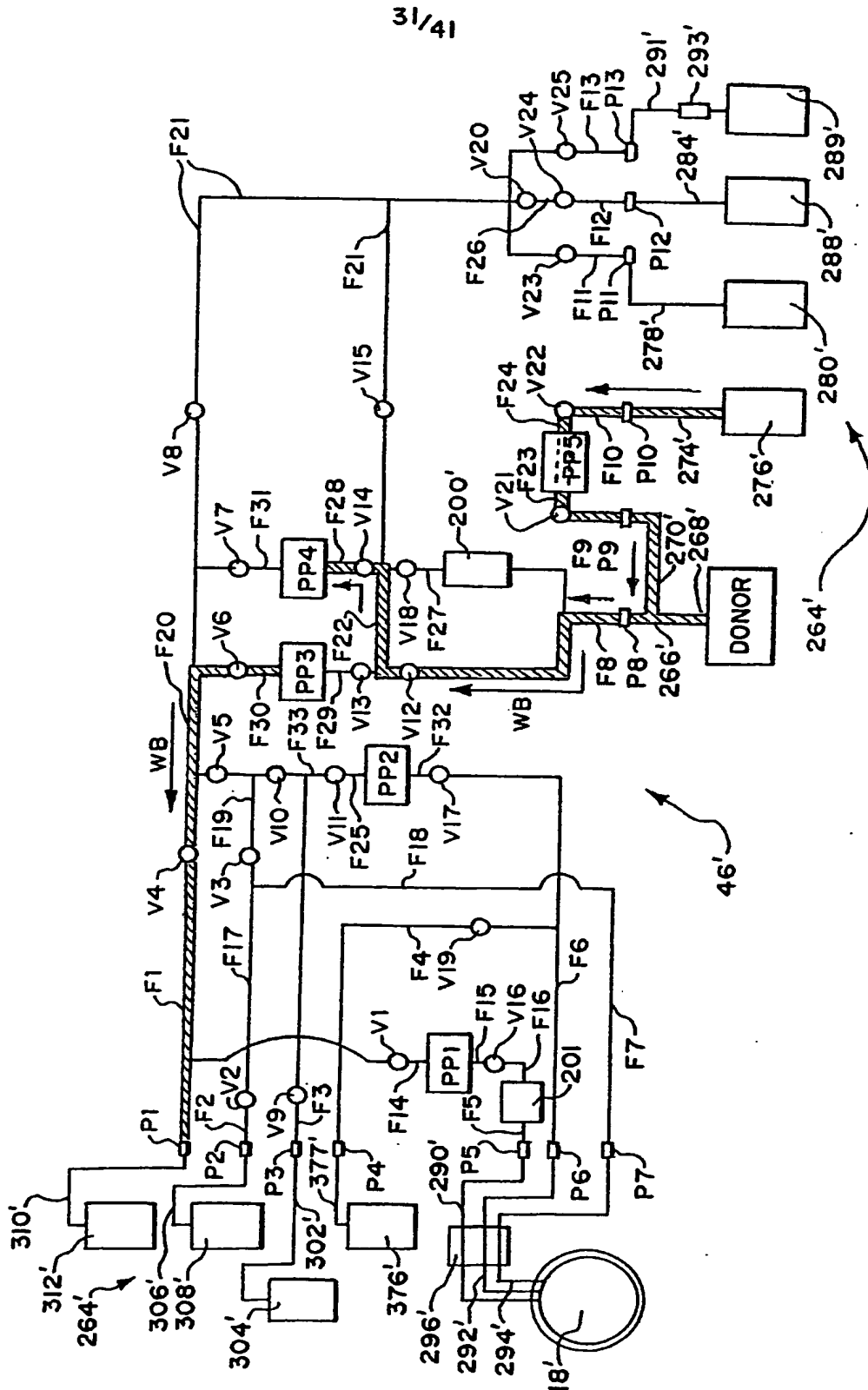
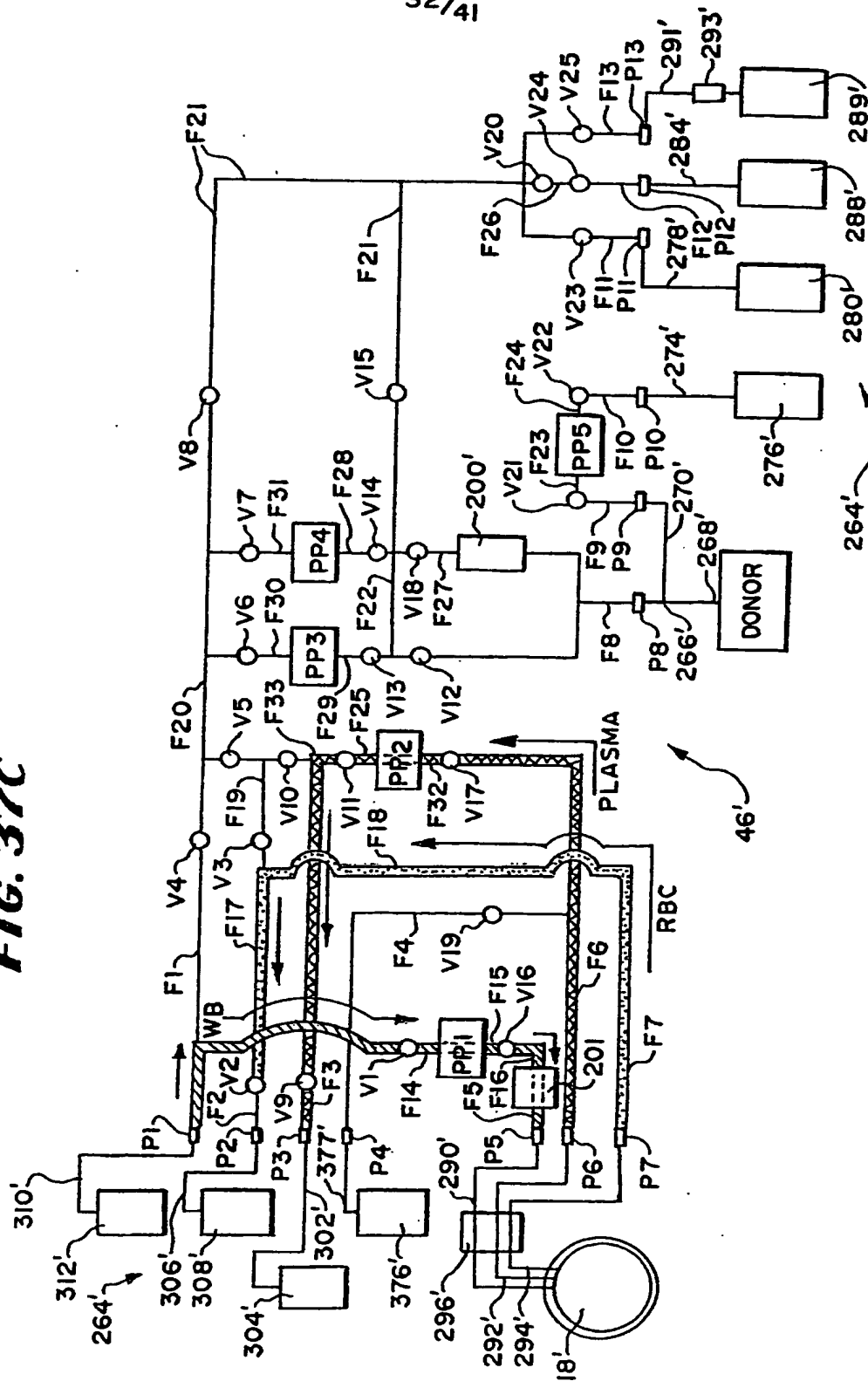
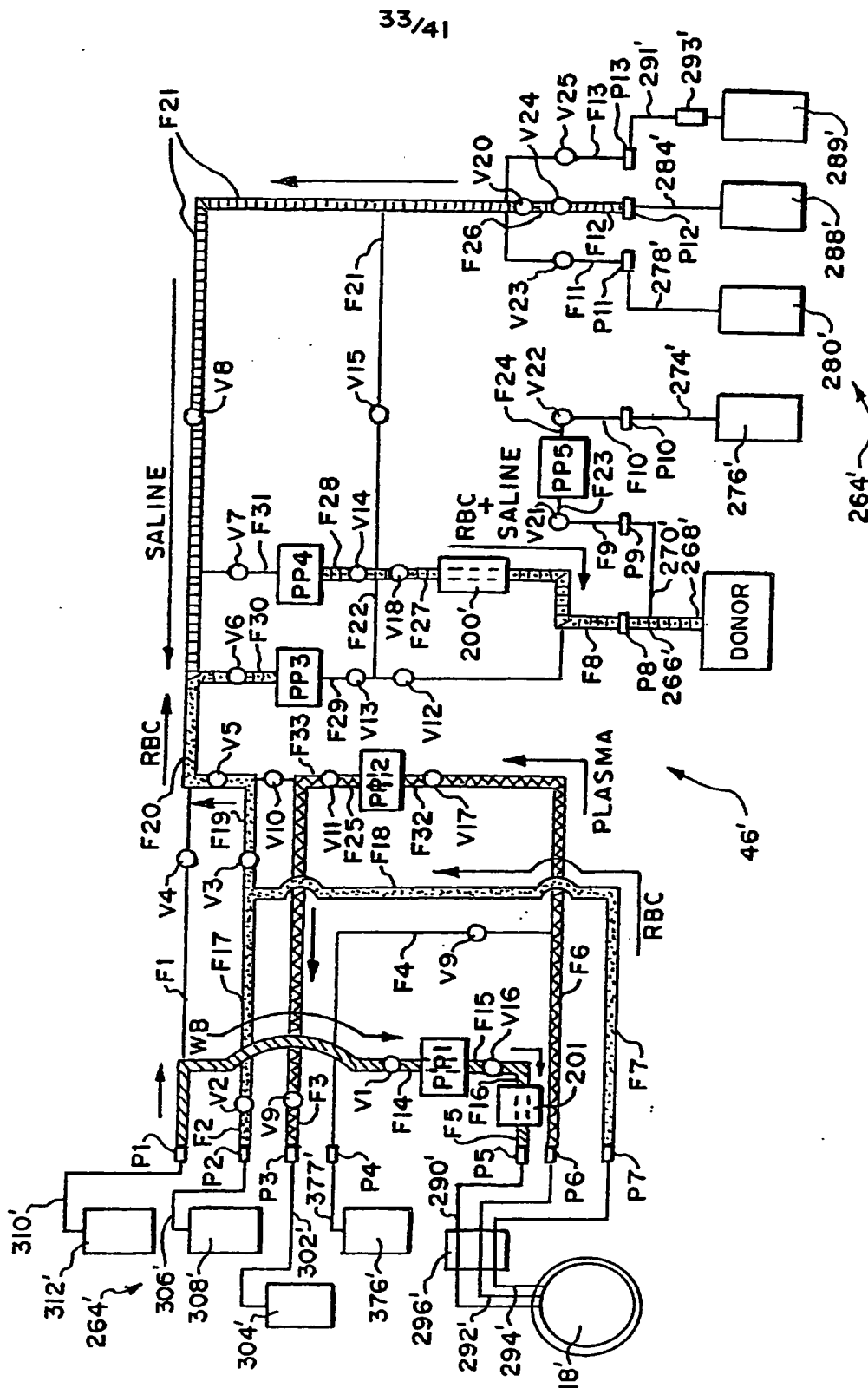


FIG. 37C



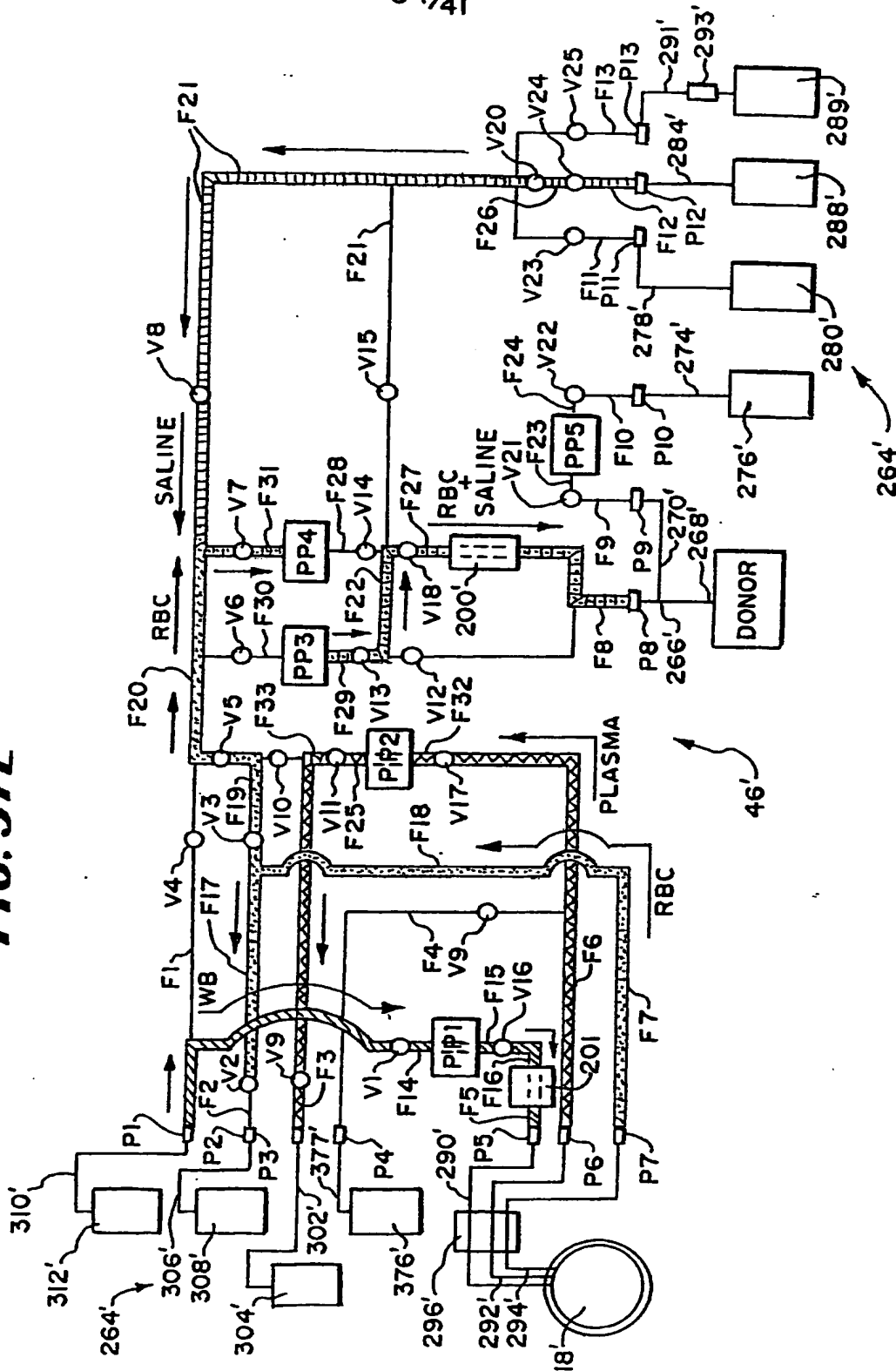
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FIG. 37D



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FIG. 37E



[illegible]

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FIG. 38B

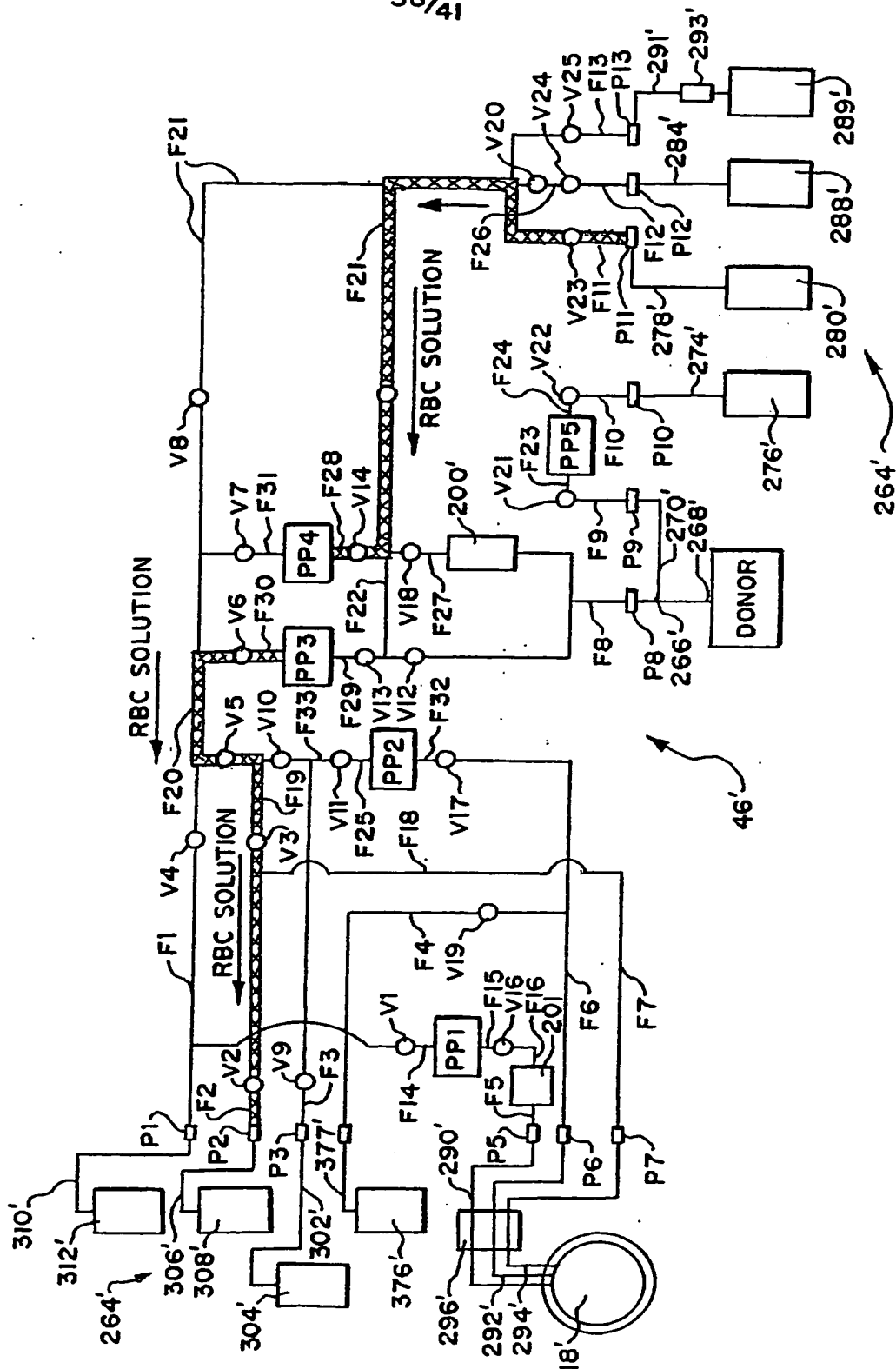


FIG. 39A

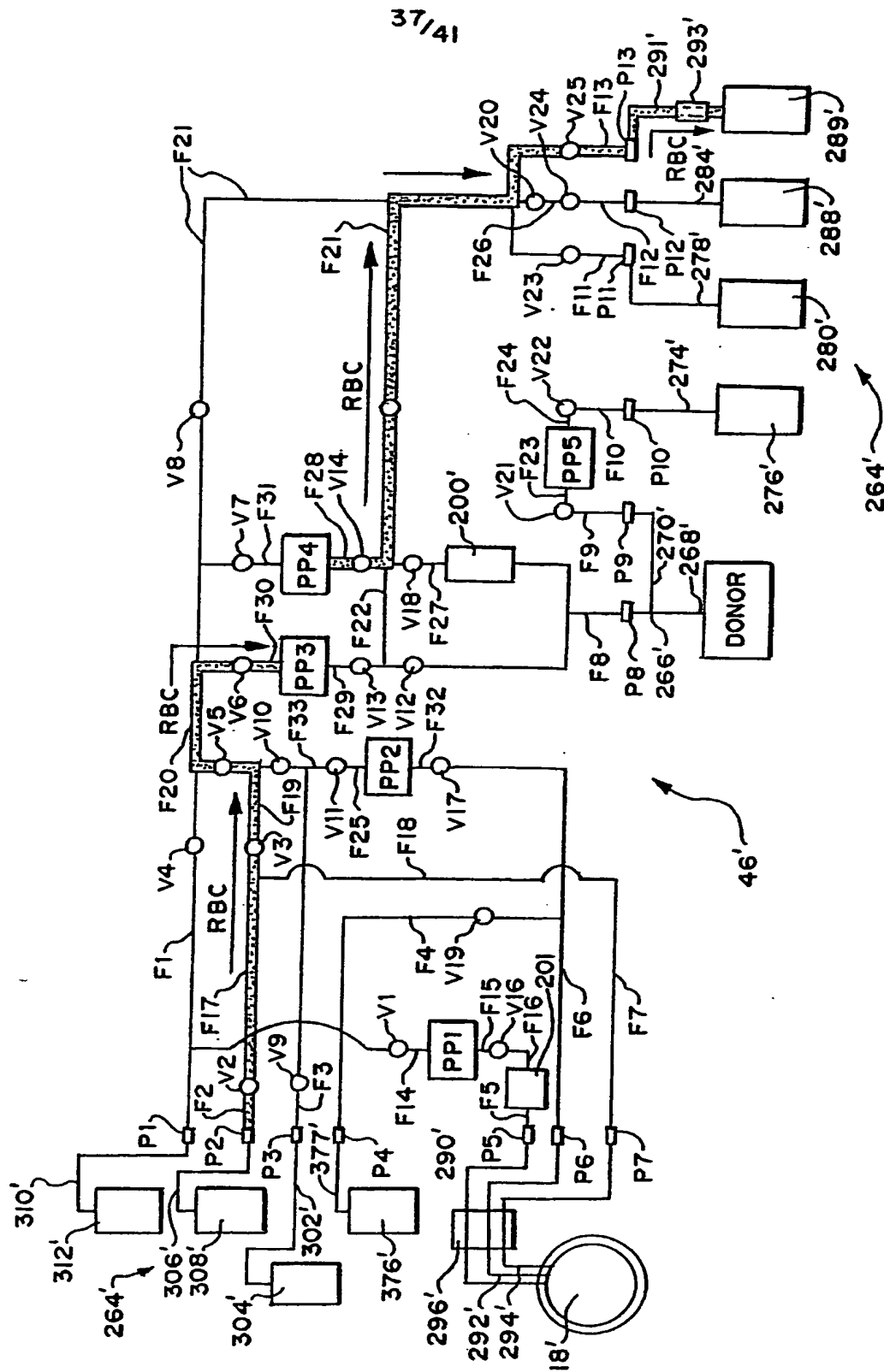
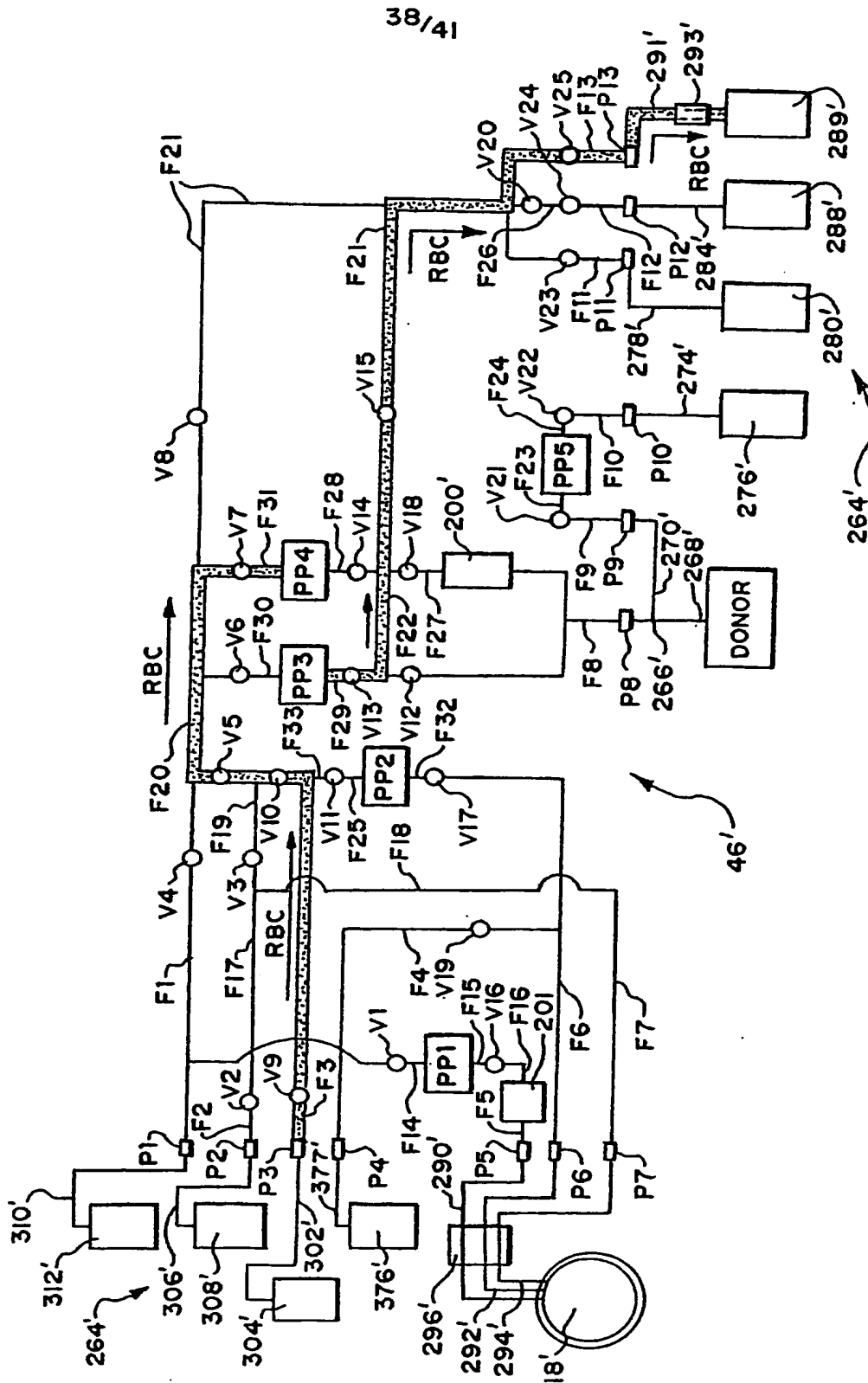


FIG. 39B



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FIG. 40

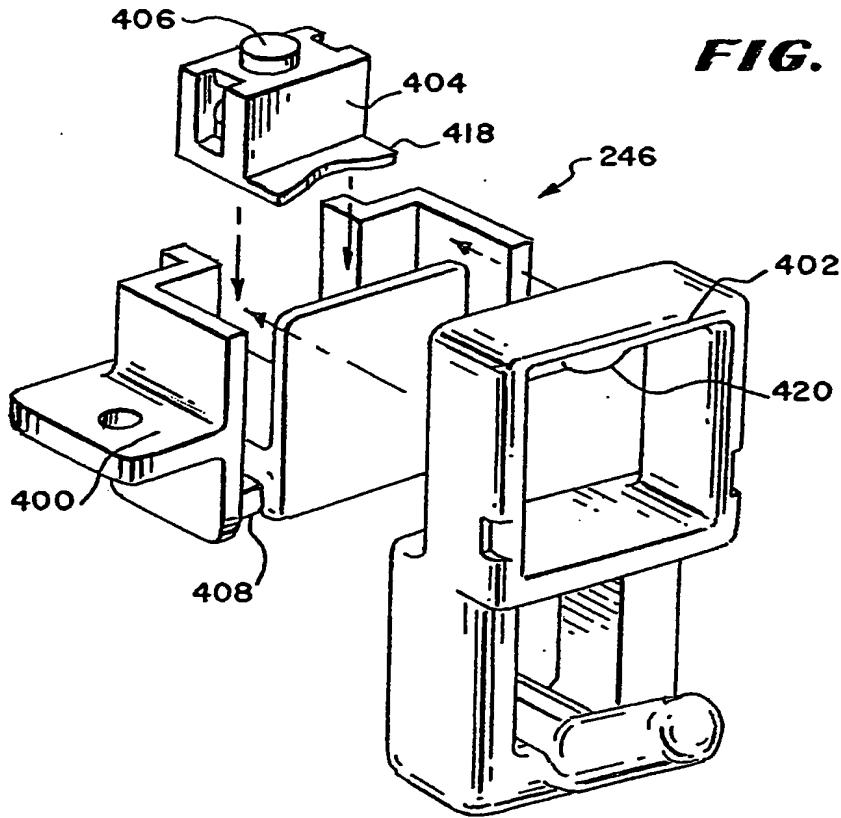
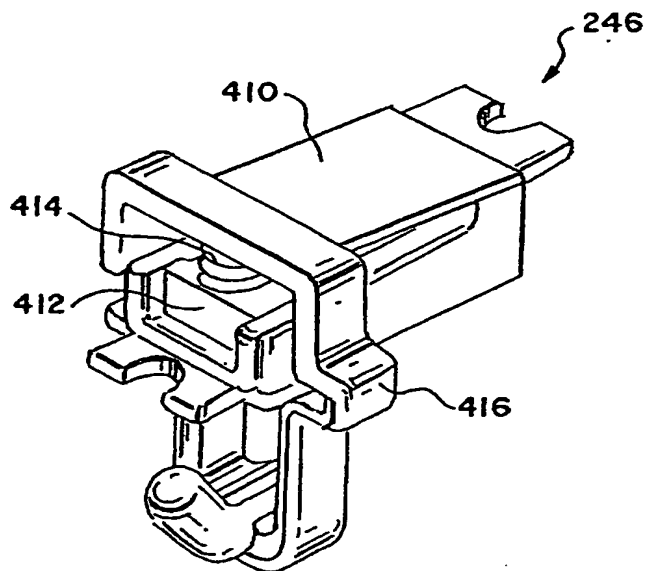


FIG. 41



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FIG. 42

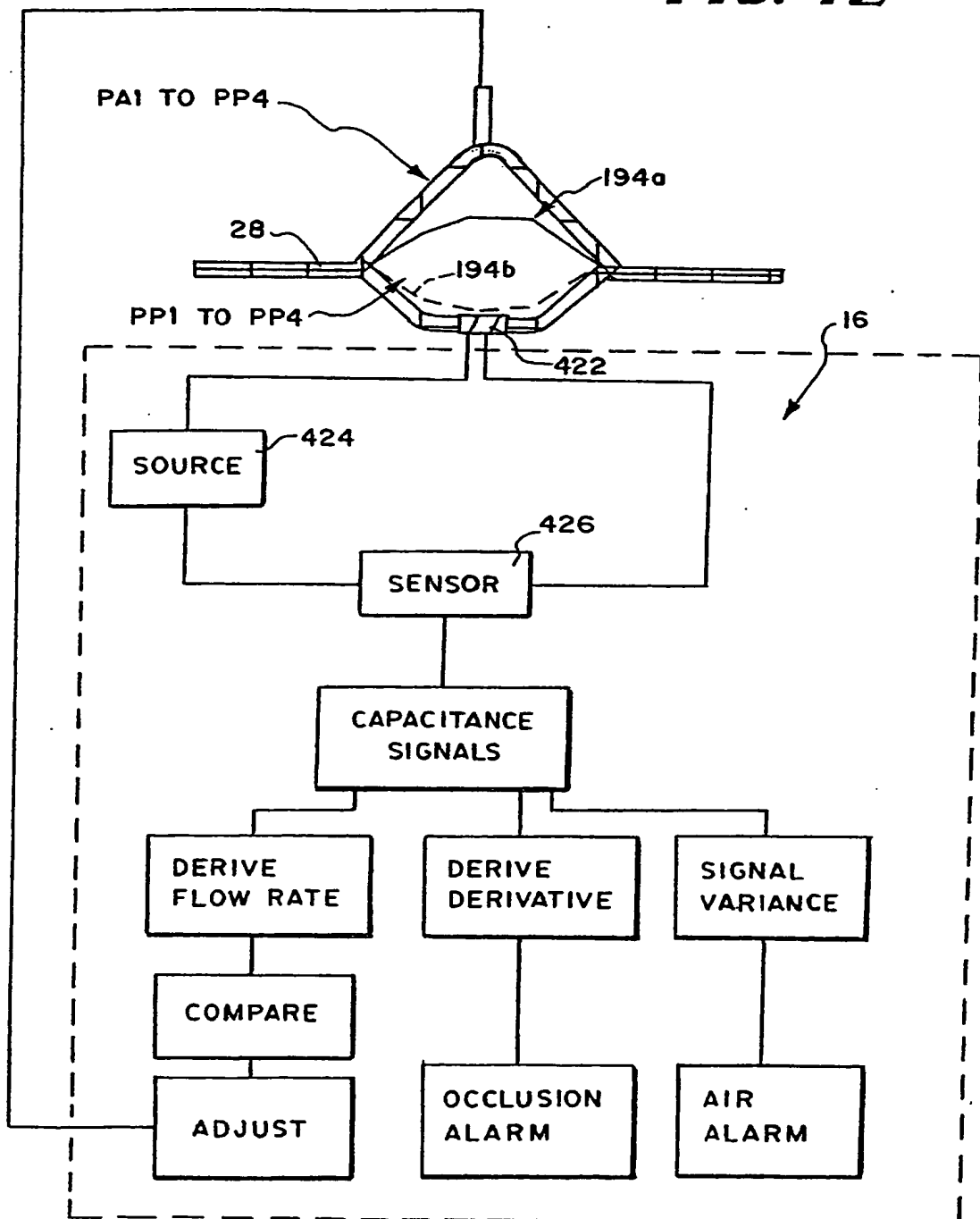


FIG. 43

